

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY011420\
 Data File : VY001190.D
 Acq On : 14 Jan 2020 09:32
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 1/15/2020 9:30:16 AM

Quant Time: Jan 15 01:30:23 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y011020S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 10 16:01:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	165506	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	284934	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	253809	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	123079	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.14	65	82216	47.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.06%	
35) Dibromofluoromethane	7.72	113	80430	48.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.42%	
50) Toluene-d8	10.18	98	338532	52.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.32%	
62) 4-Bromofluorobenzene	12.48	95	126328	48.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.14%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.91	85	62695	49.324	ug/l 99
3) Chloromethane	2.12	50	91806	50.108	ug/l 96
4) Vinyl Chloride	2.26	62	96929	52.514	ug/l 99
5) Bromomethane	2.66	94	65387	65.950	ug/l 98
6) Chloroethane	2.80	64	61716	57.876	ug/l 99
7) Trichlorofluoromethane	3.13	101	124338	48.395	ug/l 100
8) Diethyl Ether	3.54	74	47297	47.376	ug/l 97
9) 1,1,2-Trichlorotrifluoroet	3.90	101	80785	48.849	ug/l 98
10) Methyl Iodide	4.10	142	114450	50.560	ug/l 100
11) Tert butyl alcohol	4.96	59	33996	193.296	ug/l 97
12) 1,1-Dichloroethene	3.88	96	84706	50.064	ug/l 98
13) Acrolein	3.74	56	35065	221.464	ug/l 100
14) Allyl chloride	4.49	41	144730	50.683	ug/l 99
15) Acrylonitrile	5.17	53	108495	217.300	ug/l 99
16) Acetone	3.95	43	93465	230.228	ug/l 96
17) Carbon Disulfide	4.20	76	278045	50.775	ug/l 99
18) Methyl Acetate	4.49	43	54038	40.260	ug/l 100
19) Methyl tert-butyl Ether	5.23	73	216953	46.356	ug/l 98
20) Methylene Chloride	4.72	84	94623	50.017	ug/l 99
21) trans-1,2-Dichloroethene	5.22	96	99345	51.783	ug/l 96
22) Diisopropyl ether	6.13	45	296061	50.761	ug/l 97
23) Vinyl Acetate	6.07	43	892216	239.191	ug/l 100
24) 1,1-Dichloroethane	6.03	63	163956	51.348	ug/l 99
25) 2-Butanone	6.99	43	140934	223.058	ug/l 100
26) 2,2-Dichloropropane	6.99	77	146960	50.050	ug/l 99
27) cis-1,2-Dichloroethene	6.99	96	108716	51.716	ug/l 99
28) Bromochloromethane	7.34	49	70596	53.841	ug/l 99
29) Tetrahydrofuran	7.35	42	92319	213.212	ug/l 97
30) Chloroform	7.52	83	160180	51.198	ug/l 99
31) Cyclohexane	7.79	56	158846	46.985	ug/l 99
32) 1,1,1-Trichloroethane	7.71	97	139339	50.194	ug/l 100
36) 1,1-Dichloropropene	7.93	75	131004	50.444	ug/l 99
37) Ethyl Acetate	7.08	43	64343	42.217	ug/l 98
38) Carbon Tetrachloride	7.91	117	120545	50.648	ug/l 96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.18	83	172862	49.097	ug/l	98
40) Benzene	8.17	78	398078	52.511	ug/l	99
41) Methacrylonitrile	7.33	41	40469m	56.526	ug/l	
42) 1,2-Dichloroethane	8.24	62	103283	48.656	ug/l	99
43) Isopropyl Acetate	8.28	43	127198	43.644	ug/l	99
44) Trichloroethene	8.94	130	102695	51.989	ug/l	98
45) 1,2-Dichloropropane	9.22	63	96750	51.624	ug/l	98
46) Dibromomethane	9.31	93	49385	48.296	ug/l	100
47) Bromodichloromethane	9.50	83	126739	50.857	ug/l	100
48) Methyl methacrylate	9.30	41	58942	43.704	ug/l	98
49) 1,4-Dioxane	9.30	88	11903	955.840	ug/l	96
51) 4-Methyl-2-Pentanone	10.07	43	313408	211.934	ug/l	100
52) Toluene	10.24	92	252569	52.237	ug/l	99
53) t-1,3-Dichloropropene	10.47	75	138309	49.598	ug/l	99
54) cis-1,3-Dichloropropene	9.93	75	160461	51.036	ug/l	99
55) 1,1,2-Trichloroethane	10.64	97	73398	48.417	ug/l	99
56) Ethyl methacrylate	10.51	69	105871	45.656	ug/l	99
57) 1,3-Dichloropropane	10.79	76	128161	49.246	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.78	63	169367	207.665	ug/l	99
59) 2-Hexanone	10.83	43	232395	224.234	ug/l	99
60) Dibromochloromethane	10.99	129	85579	49.031	ug/l	99
61) 1,2-Dibromoethane	11.09	107	69778	47.140	ug/l	100
64) Tetrachloroethene	10.72	164	80852	49.417	ug/l	98
65) Chlorobenzene	11.52	112	264512	52.156	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.59	131	90376	51.705	ug/l	99
67) Ethyl Benzene	11.59	91	487375	52.534	ug/l	99
68) m/p-Xylenes	11.70	106	372966	106.570	ug/l	99
69) o-Xylene	12.03	106	176760	52.679	ug/l	100
70) Styrene	12.04	104	309832	52.626	ug/l	99
71) Bromoform	12.20	173	51057	47.365	ug/l #	100
73) Isopropylbenzene	12.33	105	473610	51.186	ug/l	99
74) N-amyl acetate	12.14	43	129853	44.969	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.58	83	86143	44.250	ug/l	99
76) 1,2,3-Trichloropropane	12.63	75	59936m	45.490	ug/l	
77) Bromobenzene	12.61	156	104838	51.278	ug/l	94
78) n-propylbenzene	12.67	91	574201	51.592	ug/l	100
79) 2-Chlorotoluene	12.75	91	325582	50.938	ug/l	99
80) 1,3,5-Trimethylbenzene	12.81	105	401930	52.062	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.38	75	34153	43.957	ug/l #	98
82) 4-Chlorotoluene	12.85	91	351205	51.469	ug/l	99
83) tert-Butylbenzene	13.08	119	342981	52.871	ug/l	98
84) 1,2,4-Trimethylbenzene	13.12	105	400863	52.286	ug/l	99
85) sec-Butylbenzene	13.25	105	487046	52.189	ug/l	99
86) p-Isopropyltoluene	13.37	119	433342	53.481	ug/l	99
87) 1,3-Dichlorobenzene	13.36	146	204791	52.964	ug/l	99
88) 1,4-Dichlorobenzene	13.44	146	206321	51.846	ug/l	99
89) n-Butylbenzene	13.70	91	427150	52.341	ug/l	99
90) Hexachloroethane	13.96	117	82240	51.944	ug/l	99
91) 1,2-Dichlorobenzene	13.74	146	187628	52.213	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.36	75	14376	40.939	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.00	180	119273	50.376	ug/l	99
94) Hexachlorobutadiene	15.11	225	59990	50.294	ug/l	99
95) Naphthalene	15.23	128	244742	44.402	ug/l	99
96) 1,2,3-Trichlorobenzene	15.42	180	101439	48.613	ug/l	99

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

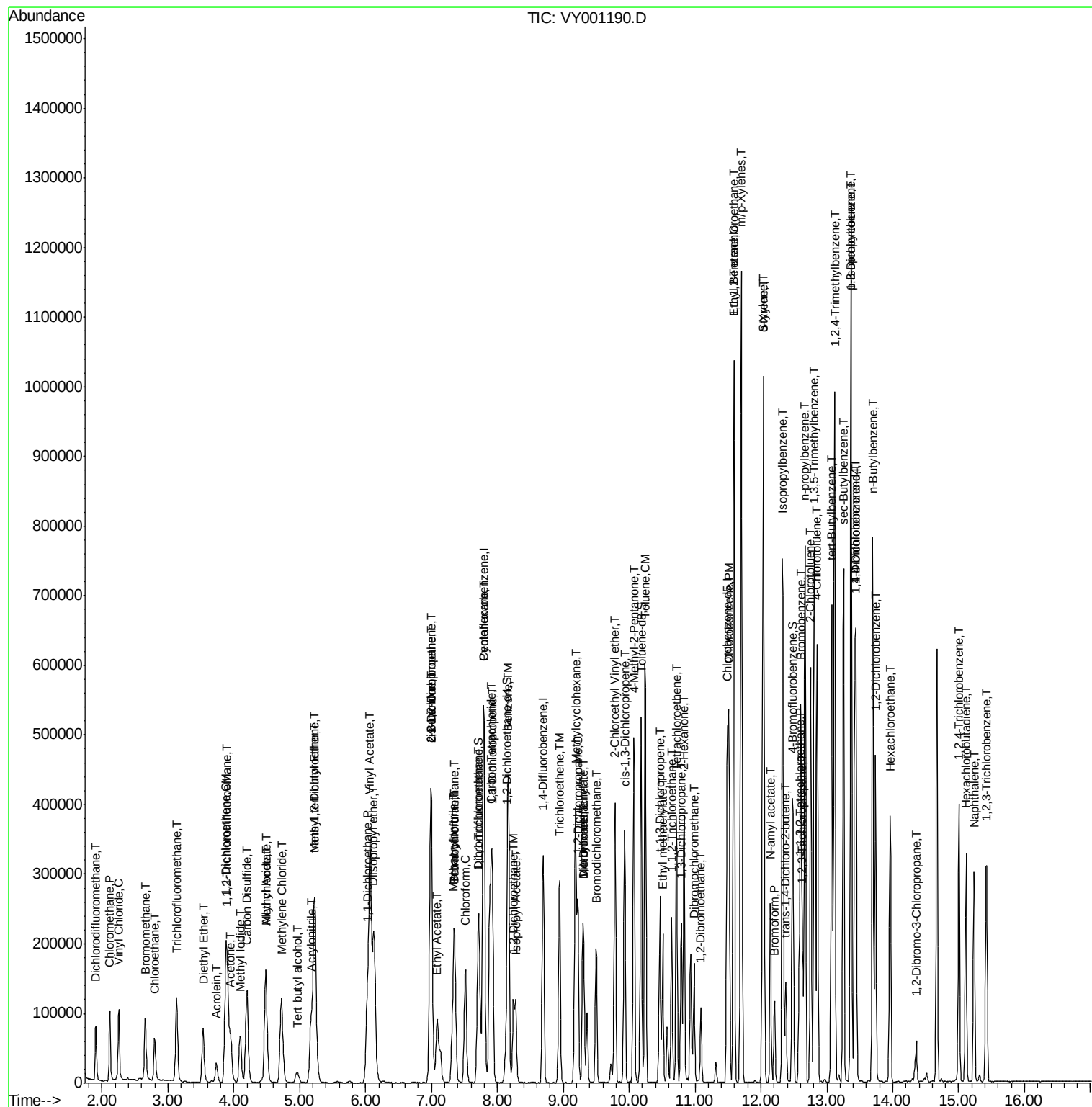
Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY011420\
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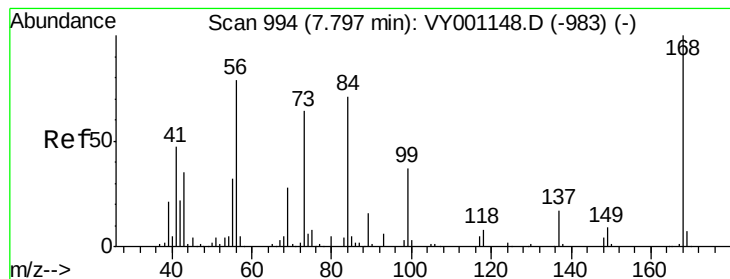
Instrument :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.00 min

Lab File: VY001190.D

Acq: 14 Jan 2020 09:32

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 165506

Ion Ratio Lower Upper

168 100

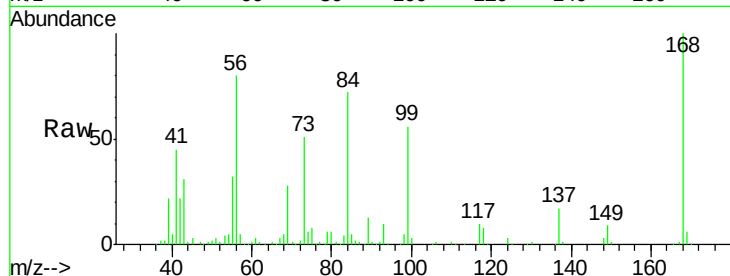
99 56.2 47.9 71.9

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VY001148.D (-983) (-)

Ion 98.90 (98.60 to 99.60): VY001148.D (-983) (-)

7.80

60000

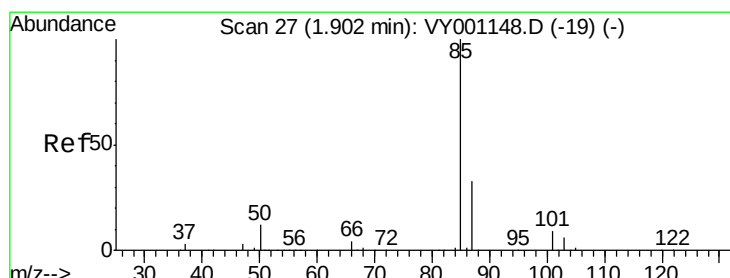
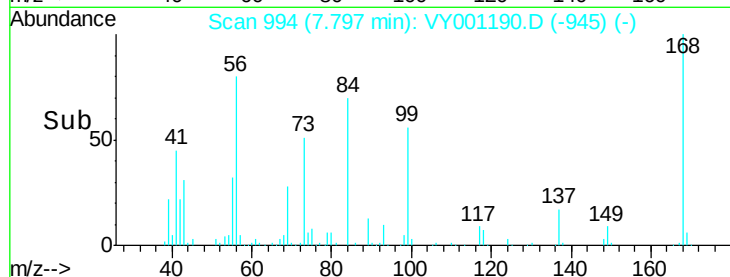
40000

20000

0

7.70 7.80 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 49.324 ug/l

RT: 1.91 min Scan# 28

Delta R.T. 0.01 min

Lab File: VY001190.D

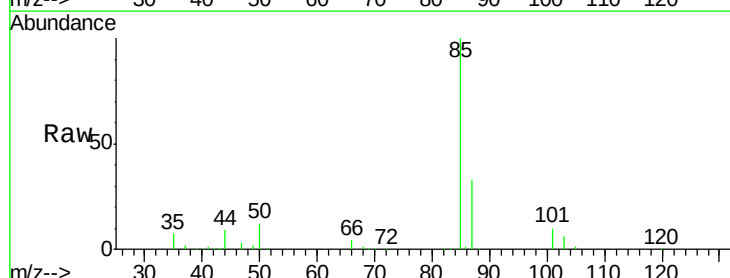
Acq: 14 Jan 2020 09:32

Tgt Ion: 85 Resp: 62695

Ion Ratio Lower Upper

85 100

87 33.1 16.4 49.2



Abundance Ion 84.90 (84.60 to 85.60): VY001148.D (-19) (-)

Ion 86.90 (86.60 to 87.60): VY001148.D (-19) (-)

1.91

50000

40000

30000

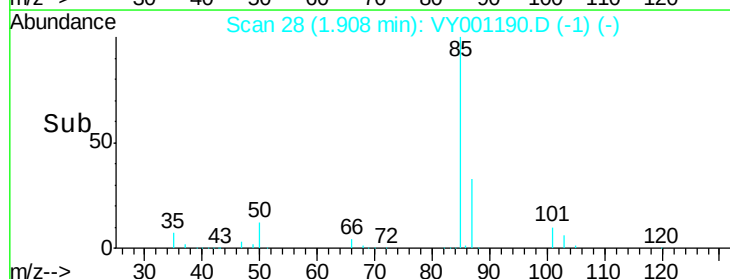
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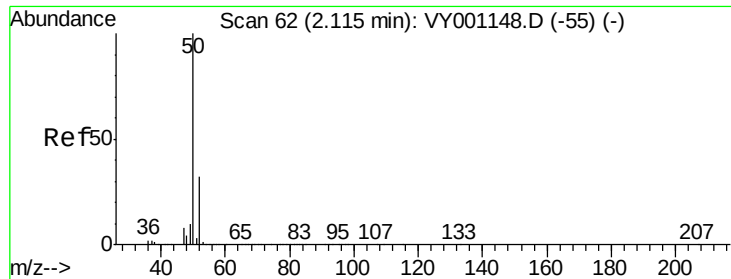
10000

0

1.80 1.90 2.00

Time-->





#3

Chloromethane

Concen: 50.108 ug/l

RT: 2.12 min Scan# 62

Delta R.T. -0.00 min

Lab File: VY001190.D

Acq: 14 Jan 2020 09:32

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 91806

Ion Ratio Lower Upper

50 100

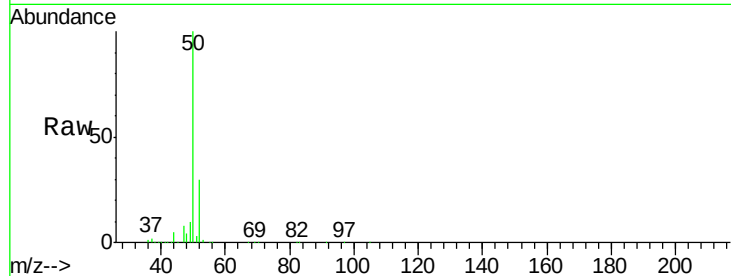
52 30.2 25.8 38.6

Manual Integrations

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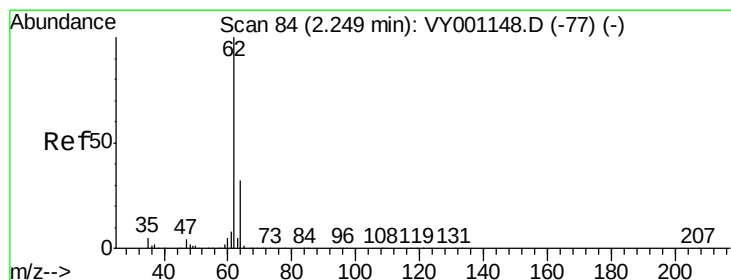
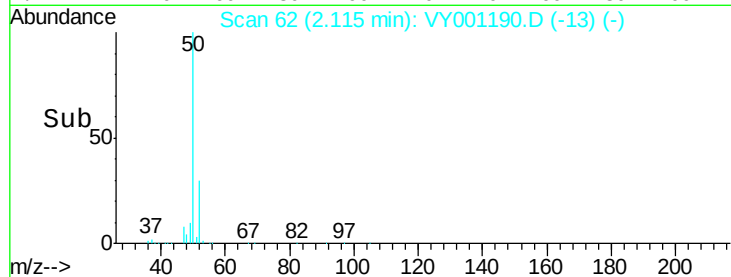
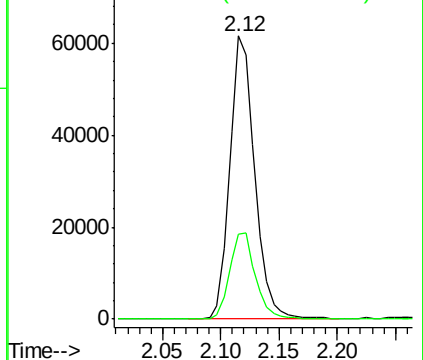
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Abundance Ion 49.90 (49.60 to 50.60): VY0

Ion 51.90 (51.60 to 52.60): VY0



#4

Vinyl Chloride

Concen: 52.514 ug/l

RT: 2.26 min Scan# 85

Delta R.T. 0.01 min

Lab File: VY001190.D

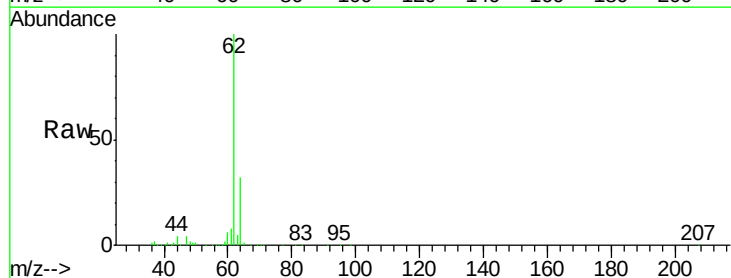
Acq: 14 Jan 2020 09:32

Tgt Ion: 62 Resp: 96929

Ion Ratio Lower Upper

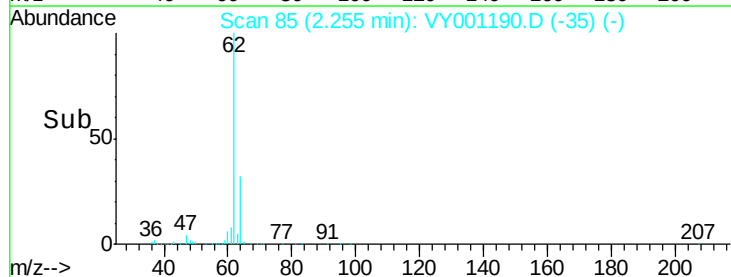
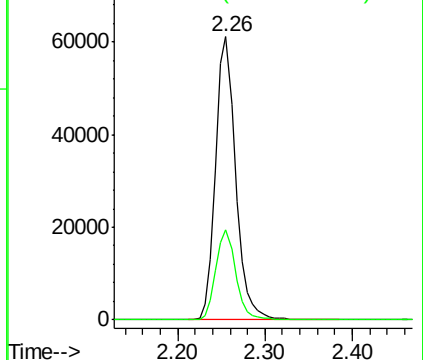
62 100

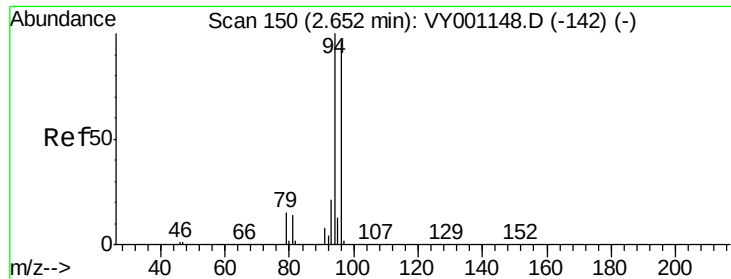
64 31.9 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 63.90 (63.60 to 64.60): VY0





#5

Bromomethane

Concen: 65.950 ug/l

RT: 2.66 min Scan# 151

Delta R.T. 0.01 min

Lab File: VY001190.D

Acq: 14 Jan 2020 09:32

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 65387

Ion Ratio Lower Upper

94 100

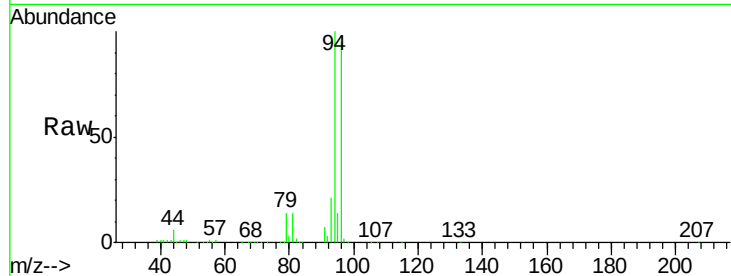
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Manual Integrations

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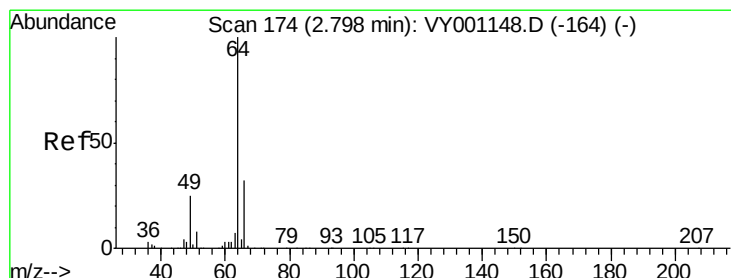
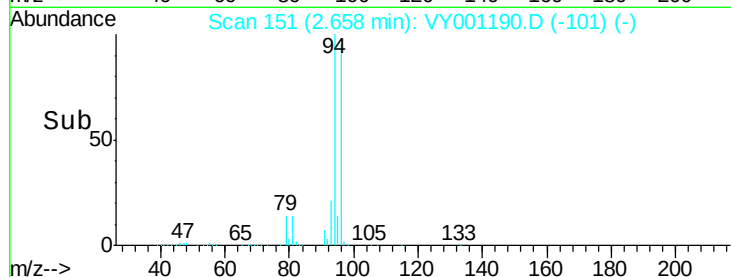
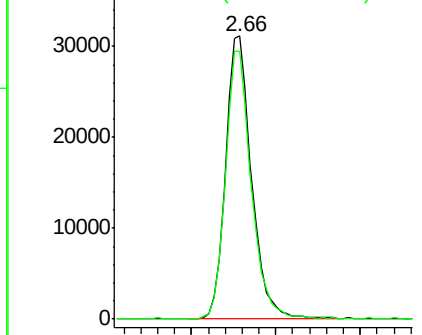
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Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0



#6

Chloroethane

Concen: 57.876 ug/l

RT: 2.80 min Scan# 174

Delta R.T. -0.00 min

Lab File: VY001190.D

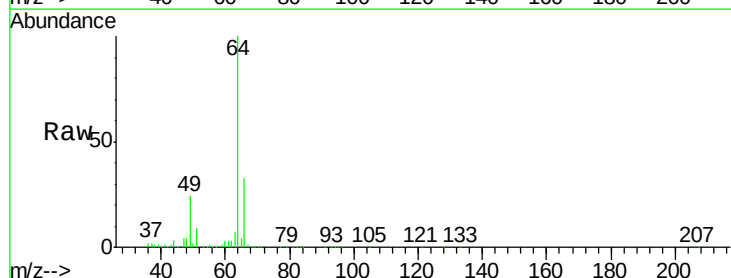
Acq: 14 Jan 2020 09:32

Tgt Ion: 64 Resp: 61716

Ion Ratio Lower Upper

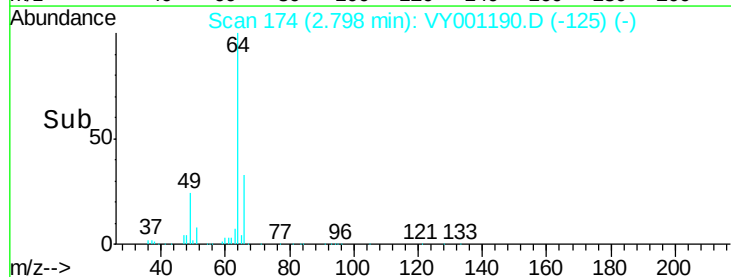
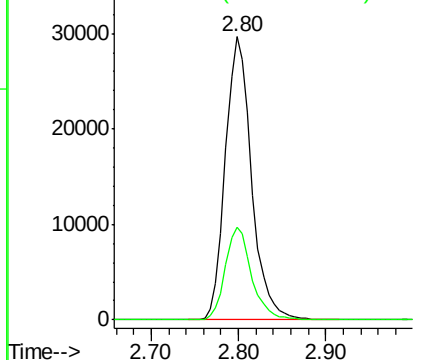
64 100

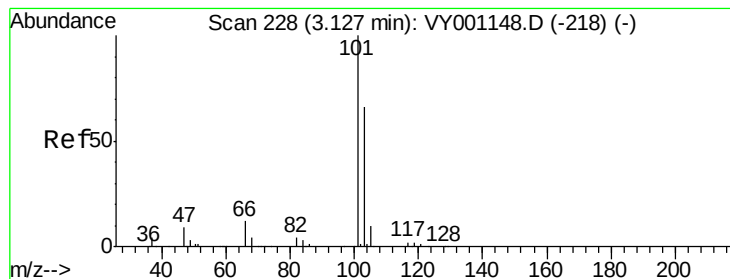
66 32.6 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0





#7

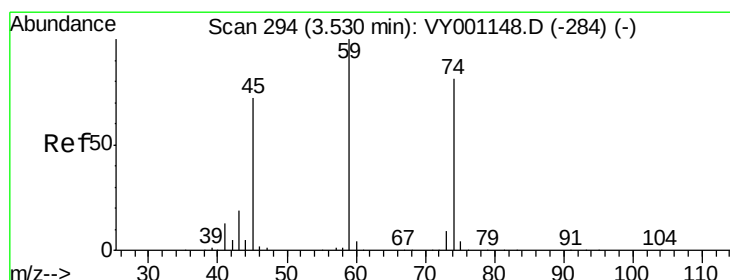
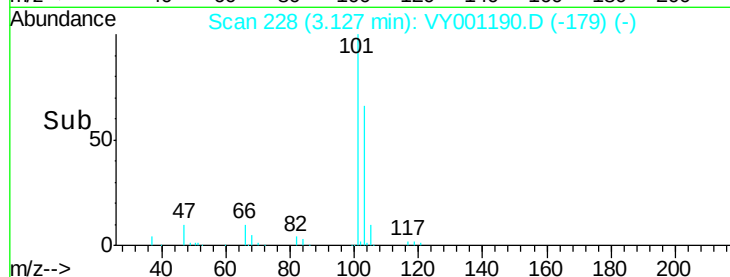
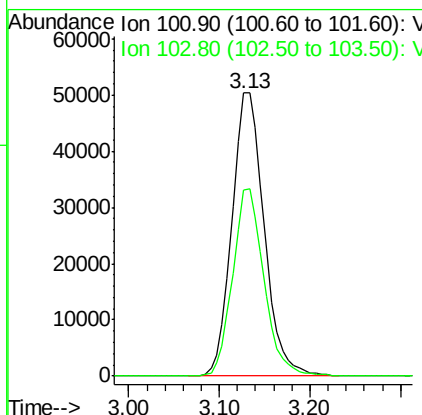
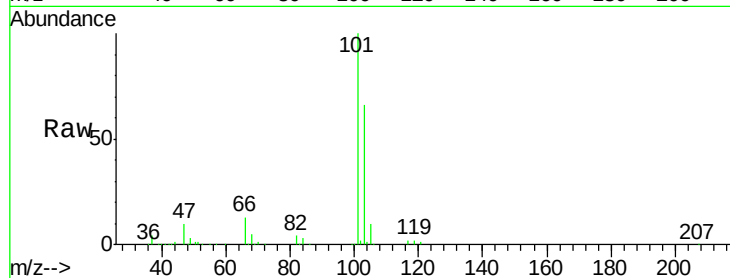
Trichlorofluoromethane
 Concen: 48.395 ug/l
 RT: 3.13 min Scan# 228
 Delta R.T. -0.00 min
 Lab File: VY001190.D
 Acq: 14 Jan 2020 09:32

Instrument :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	65.8	52.6	79.0

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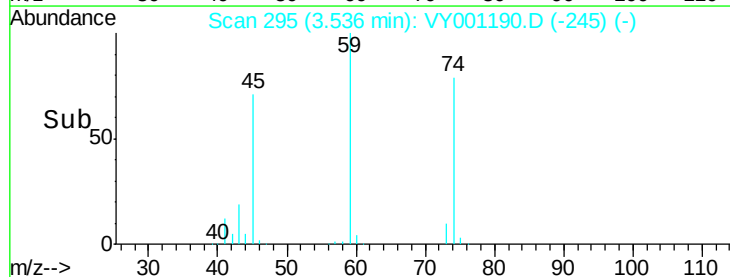
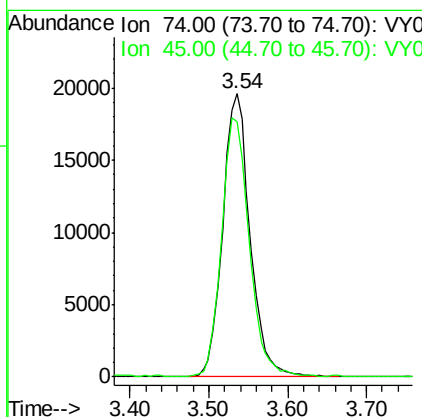
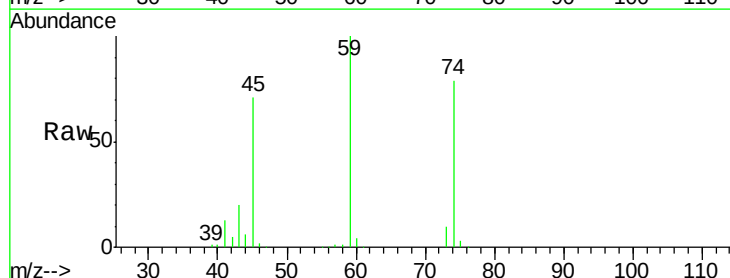
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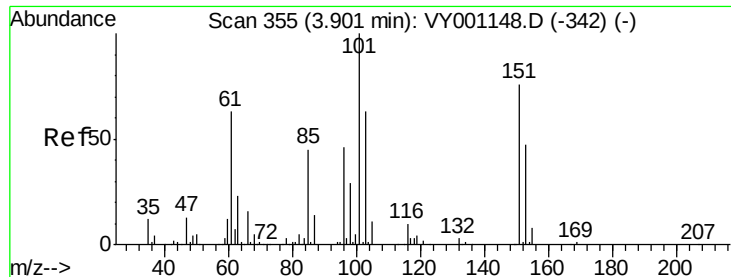


#8

Diethyl Ether
 Concen: 47.376 ug/l
 RT: 3.54 min Scan# 295
 Delta R.T. 0.01 min
 Lab File: VY001190.D
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Tgt Ion	Ratio	Lower	Upper
74	100		
45	93.4	45.5	136.5





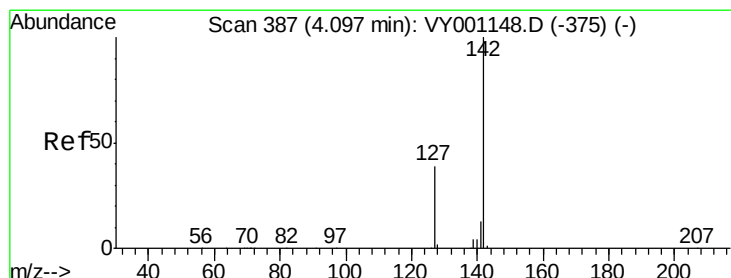
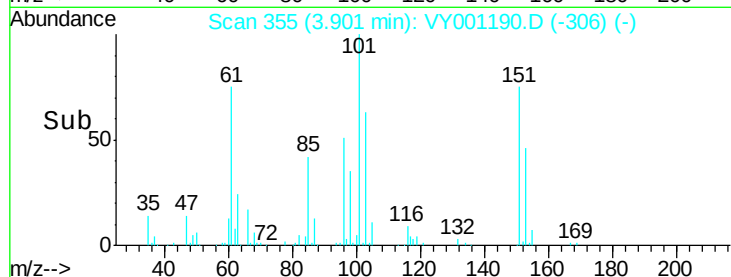
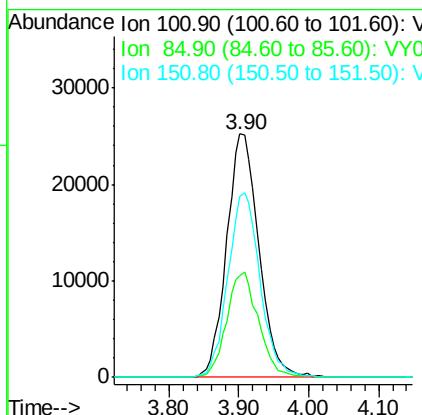
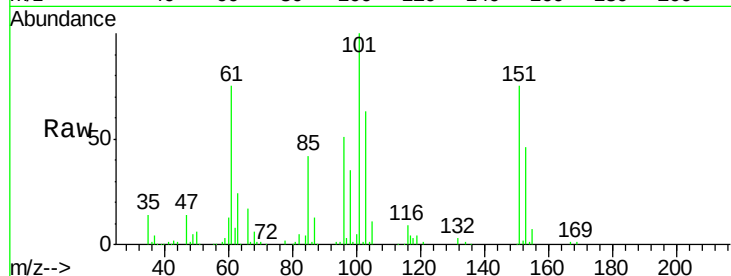
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 48.849 ug/l
 RT: 3.90 min Scan# 355
 Delta R.T. -0.00 min
 Lab File: VY001190.D
 Acq: 14 Jan 2020 09:32

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
85	42.9	35.2	52.8
151	75.5	61.4	92.2

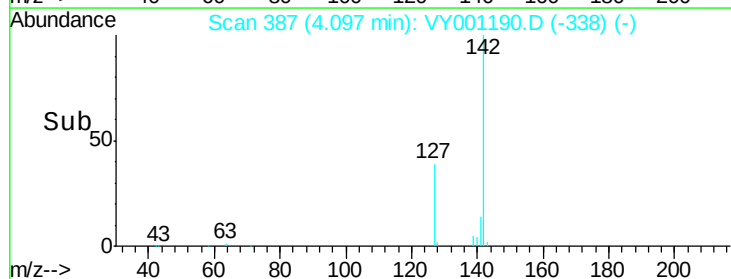
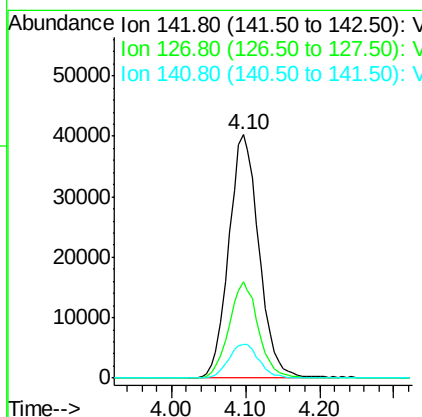
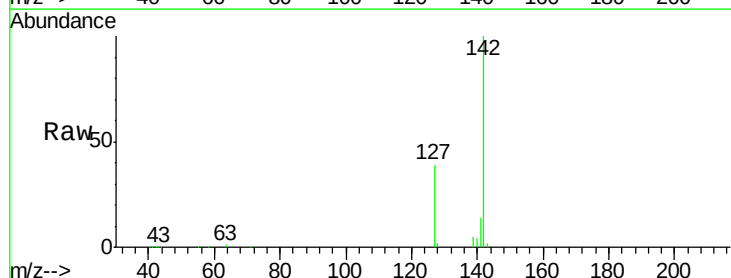
Manual Integrations
 APPROVED

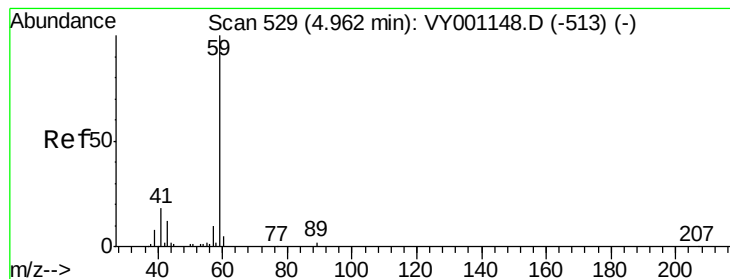
MMDadoda
 1/15/2020 9:30:16 AM



#10
 Methyl Iodide
 Concen: 50.560 ug/l
 RT: 4.10 min Scan# 387
 Delta R.T. -0.00 min
 Lab File: VY001190.D
 Acq: 14 Jan 2020 09:32

Tgt Ion	Ratio	Lower	Upper
142	100		
127	38.4	30.8	46.2
141	14.1	11.0	16.4





#11

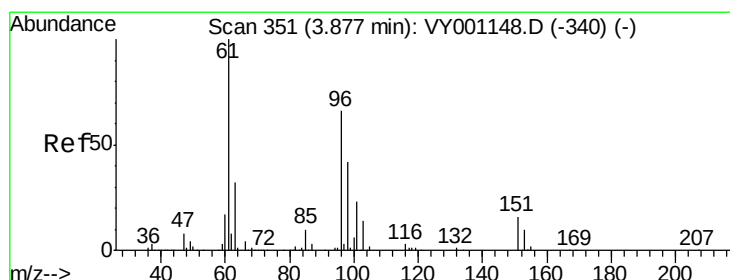
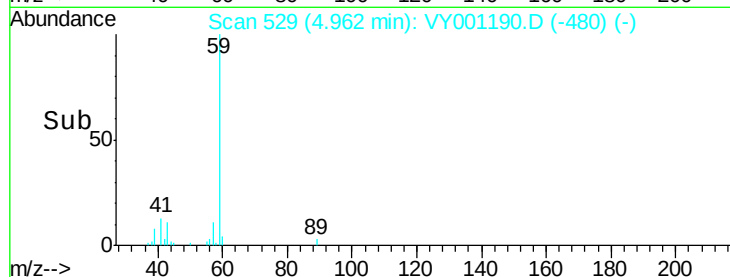
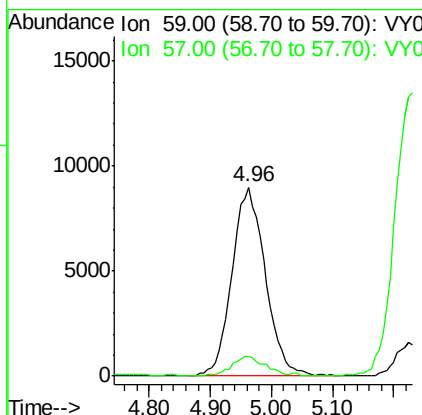
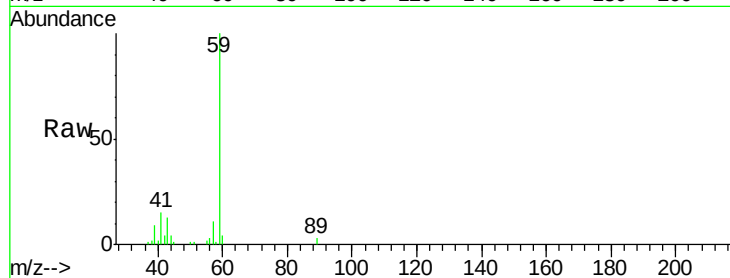
Tert butyl alcohol
Concen: 193.296 ug/l
RT: 4.96 min Scan# 529
Delta R.T. -0.00 min
Lab File: VY001190.D
Acq: 14 Jan 2020 09:32

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	59	Resp	33996
Ion Ratio	100	Lower	Upper
57	10.8	7.8	11.8

Manual Integrations
APPROVED

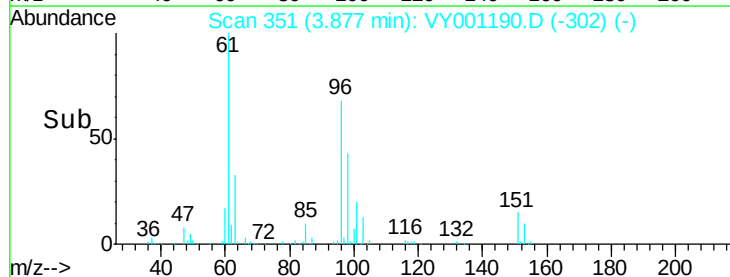
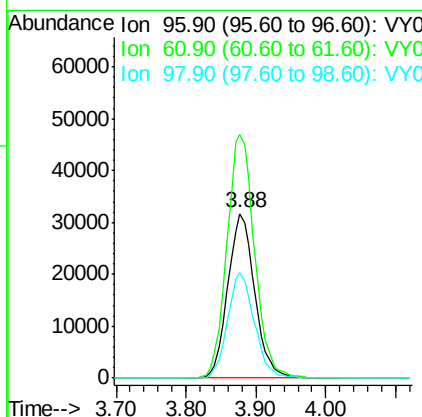
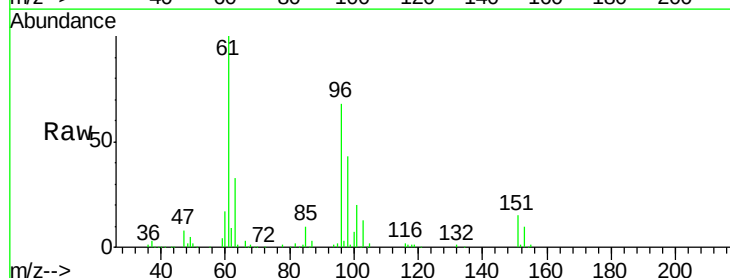
MMDadoda
1/15/2020 9:30:16 AM

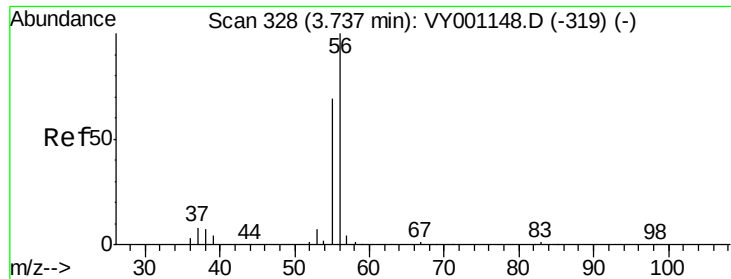


#12

1,1-Dichloroethene
Concen: 50.064 ug/l
RT: 3.88 min Scan# 351
Delta R.T. -0.00 min
Lab File: VY001190.D
Acq: 14 Jan 2020 09:32

Tgt Ion	96	Resp	84706
Ion Ratio	100	Lower	Upper
61	148.1	122.1	183.1
98	63.8	51.0	76.6





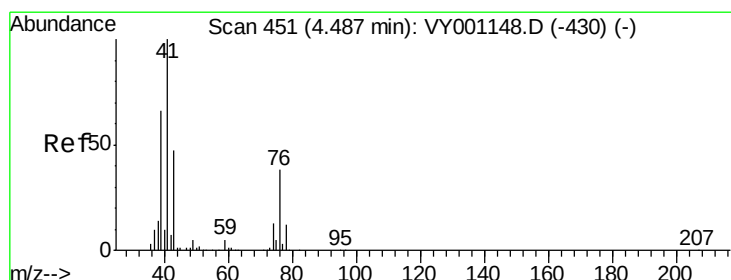
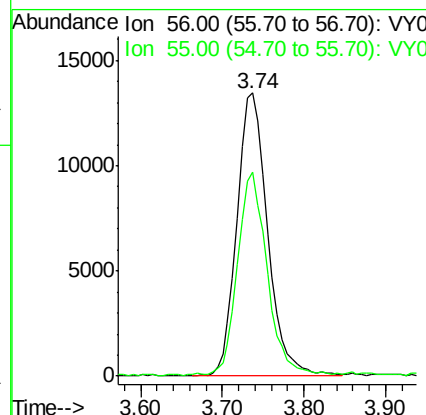
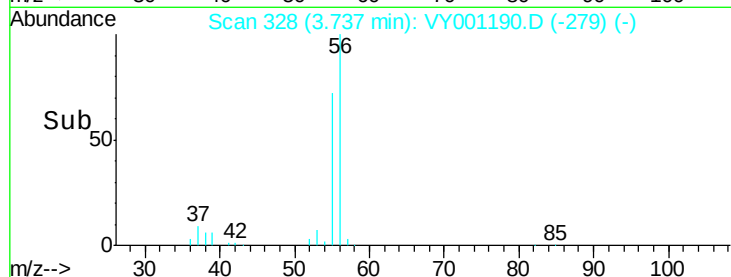
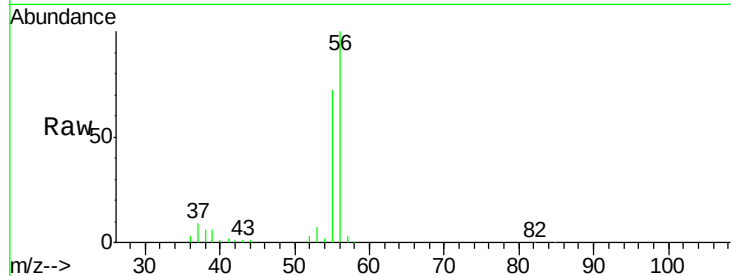
#13
Acrolein
Concen: 221.464 ug/l
RT: 3.74 min Scan# 328
Delta R.T. -0.00 min
Lab File: VY001190.D
Acq: 14 Jan 2020 09:32

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	56	55	Ratio	Lower	Upper
35065	100	70.5		56.7	85.1

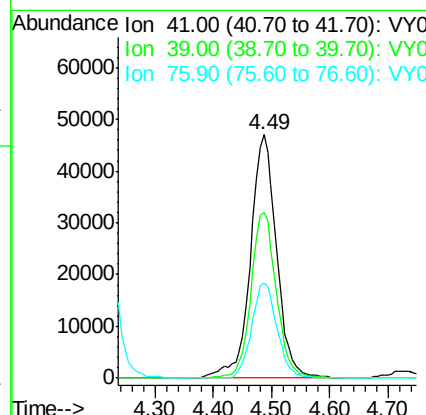
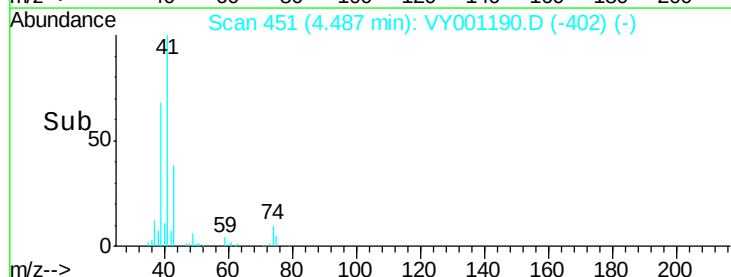
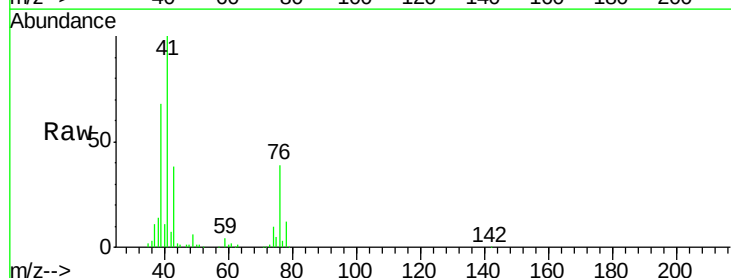
Manual Integrations
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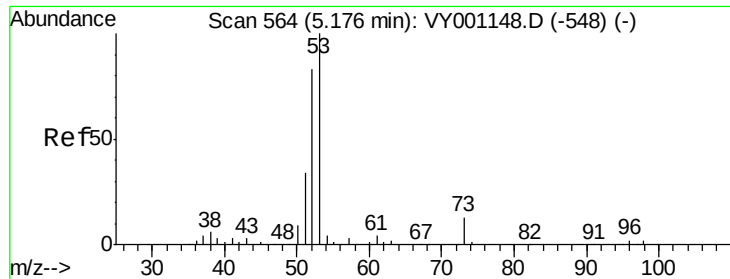
MMDadoda
1/15/2020 9:30:16 AM



#14
Allyl chloride
Concen: 50.683 ug/l
RT: 4.49 min Scan# 451
Delta R.T. -0.00 min
Lab File: VY001190.D
Acq: 14 Jan 2020 09:32

Tgt Ion	41	39	76	Ratio	Lower	Upper
144730	100	66.8	38.2		52.6	78.8





#15

Acrylonitrile

Concen: 217.300 ug/l

RT: 5.17 min Scan# 563

Delta R.T. -0.01 min

Lab File: VY001190.D

Acq: 14 Jan 2020 09:32

Instrument :

MSVOA_Y

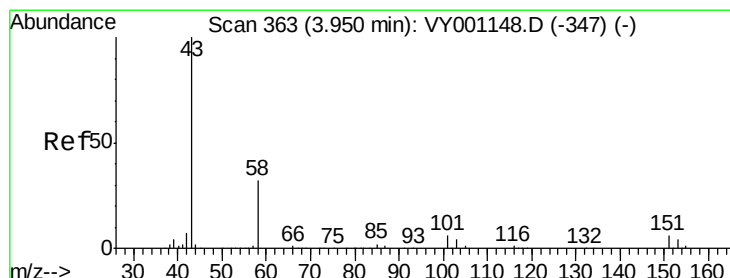
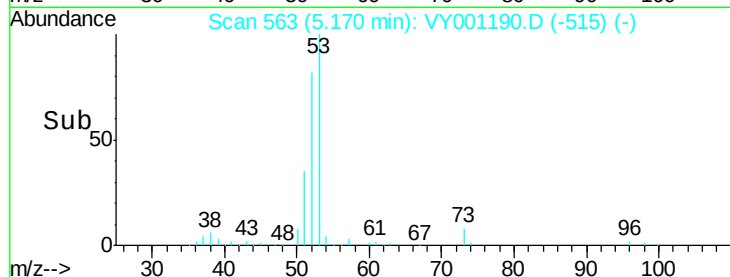
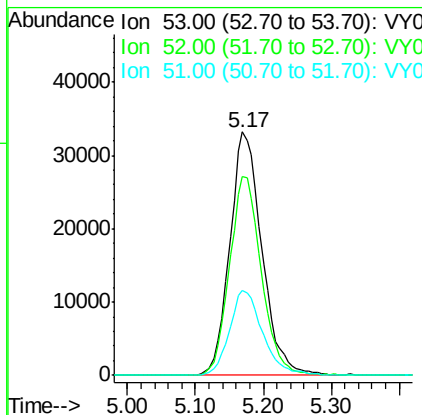
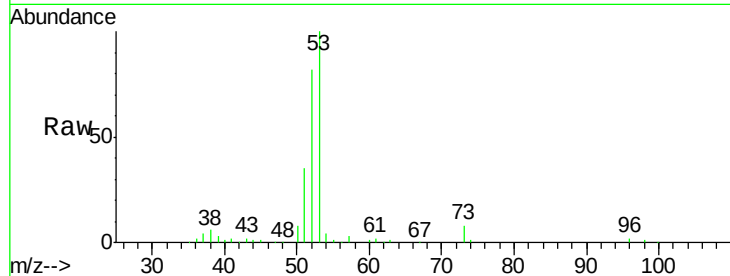
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	108495
Ion	Ratio	Lower	Upper
53	100		
52	81.3	65.7	98.5
51	36.2	28.7	43.1

Manual Integrations
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MMDadoda
1/15/2020 9:30:16 AM



#16

Acetone

Concen: 230.228 ug/l

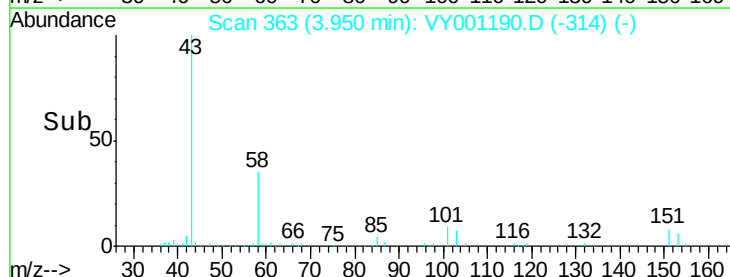
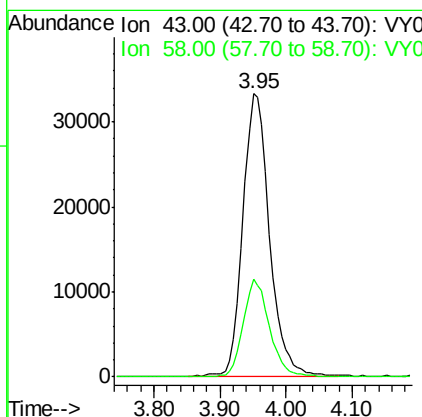
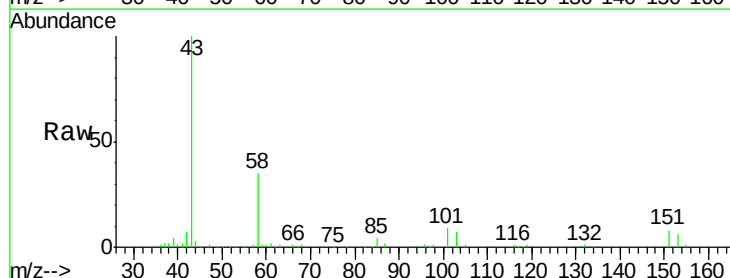
RT: 3.95 min Scan# 363

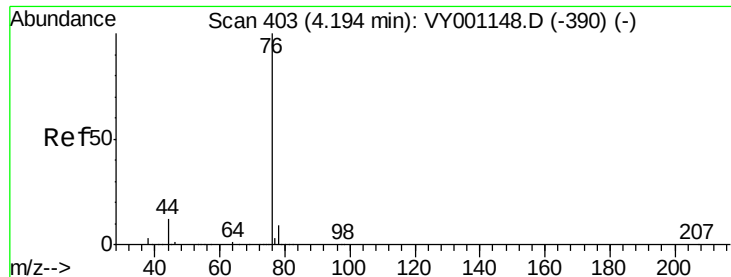
Delta R.T. -0.00 min

Lab File: VY001190.D

Acq: 14 Jan 2020 09:32

Tgt Ion:	43	Resp:	93465
Ion	Ratio	Lower	Upper
43	100		
58	34.6	25.8	38.6





#17

Carbon Disulfide

Concen: 50.775 ug/l

RT: 4.20 min Scan# 404

Delta R.T. 0.01 min

Lab File: VY001190.D

Acq: 14 Jan 2020 09:32

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 278045

Ion Ratio Lower Upper

76 100

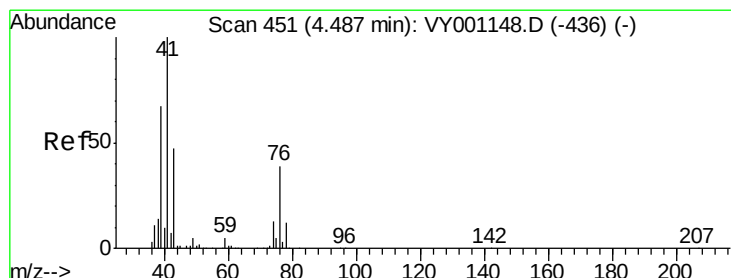
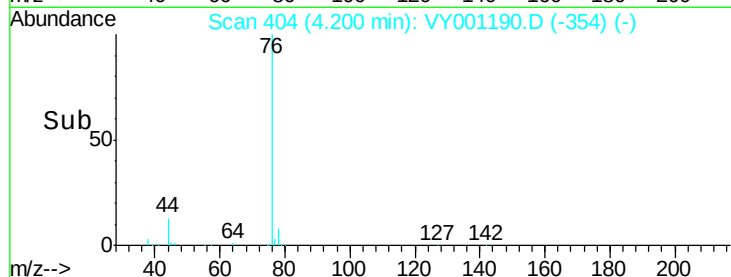
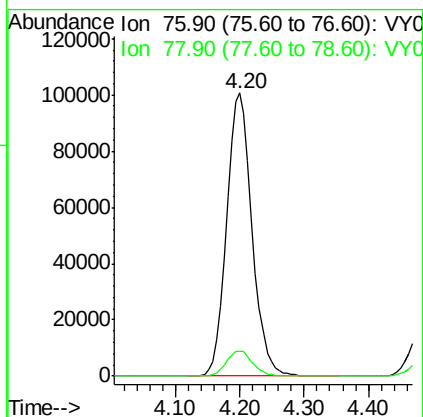
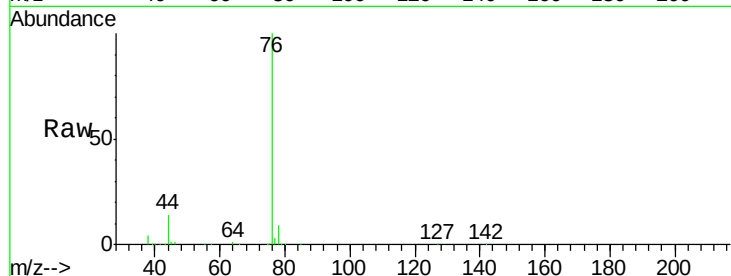
78 8.8 7.2 10.8

Manual Integrations

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1/15/2020 9:30:16 AM



#18

Methyl Acetate

Concen: 40.260 ug/l

RT: 4.49 min Scan# 451

Delta R.T. -0.00 min

Lab File: VY001190.D

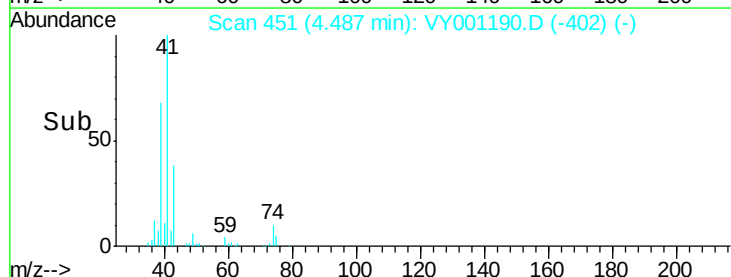
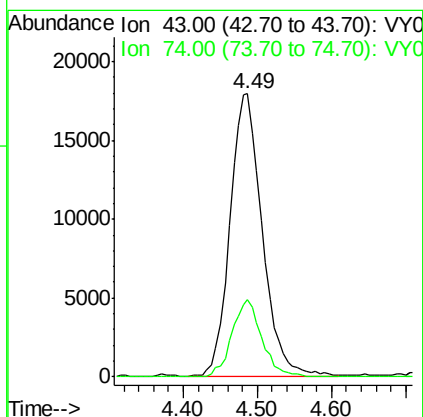
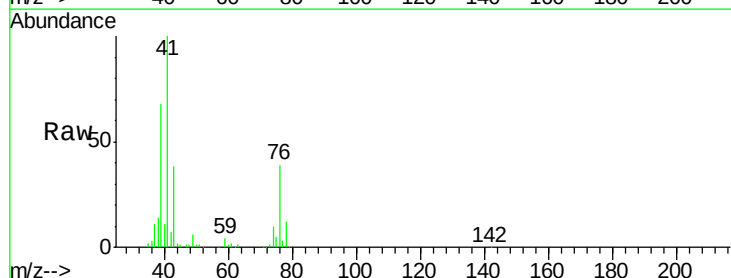
Acq: 14 Jan 2020 09:32

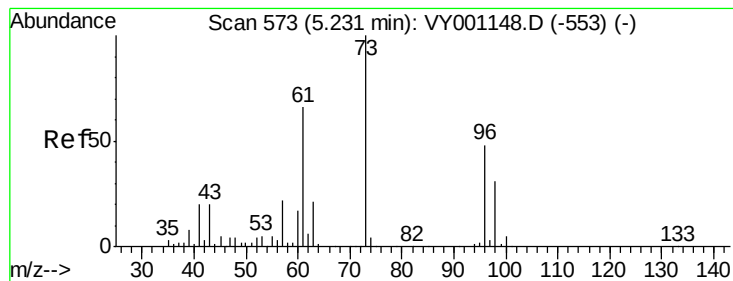
Tgt Ion: 43 Resp: 54038

Ion Ratio Lower Upper

43 100

74 25.4 20.2 30.2





#19

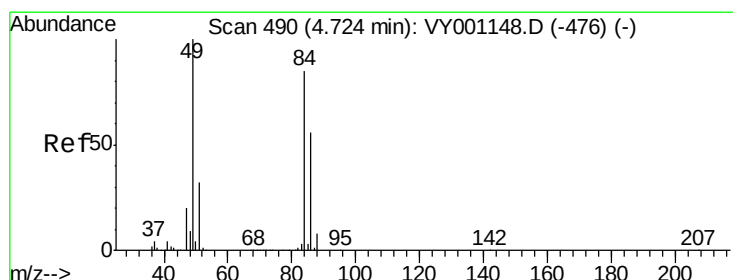
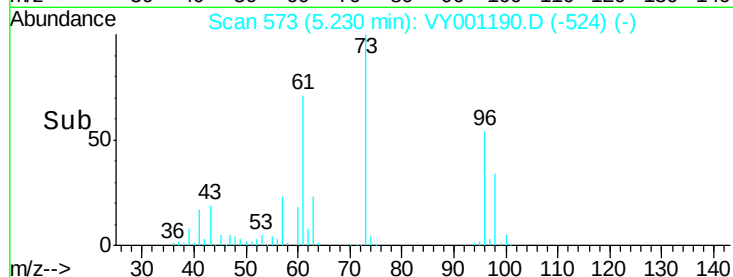
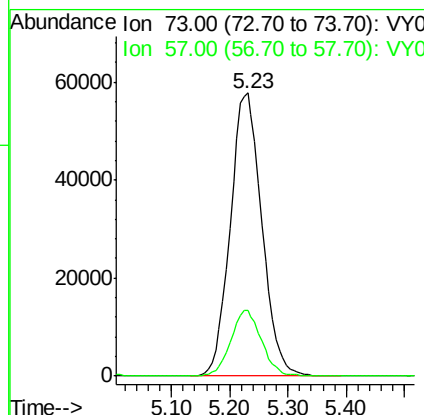
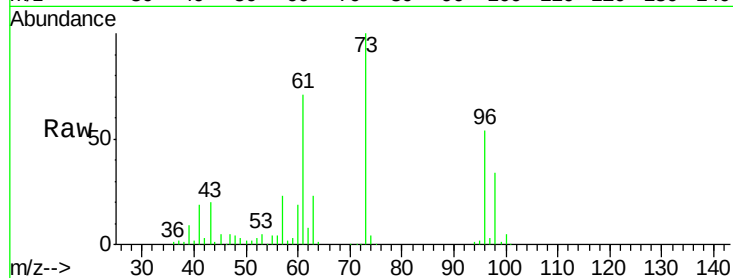
Methyl tert-butyl Ether
 Concen: 46.356 ug/l
 RT: 5.23 min Scan# 573
 Delta R.T. -0.00 min
 Lab File: VY001190.D
 Acq: 14 Jan 2020 09:32

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	23.2	17.8	26.6

Manual Integrations
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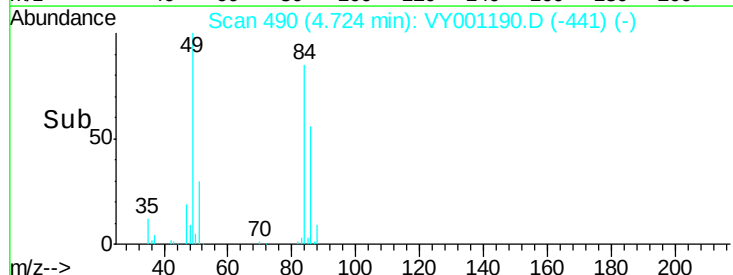
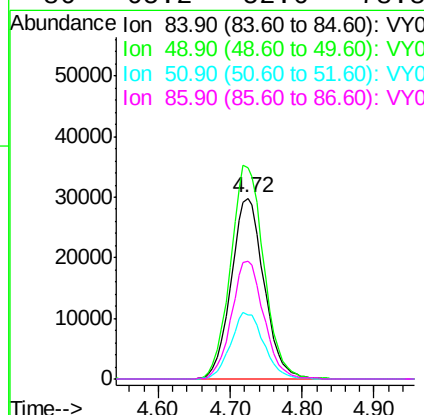
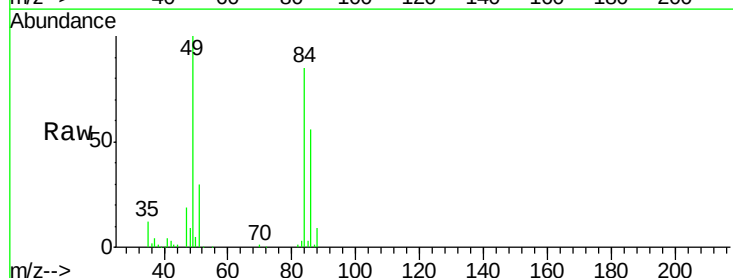
MMDadoda
 1/15/2020 9:30:16 AM

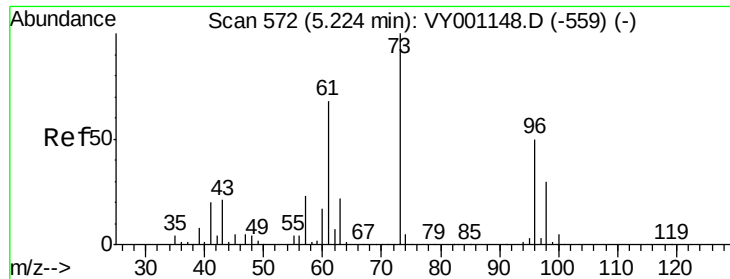


#20

Methylene Chloride
 Concen: 50.017 ug/l
 RT: 4.72 min Scan# 490
 Delta R.T. 0.00 min
 Lab File: VY001190.D
 Acq: 14 Jan 2020 09:32

Tgt Ion	Ratio	Lower	Upper
84	100		
49	117.3	93.8	140.6
51	35.6	29.9	44.9
86	65.2	52.6	78.8





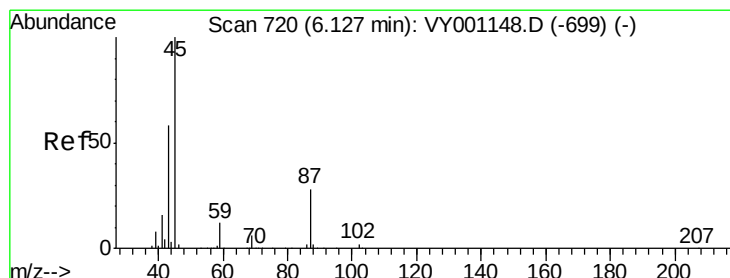
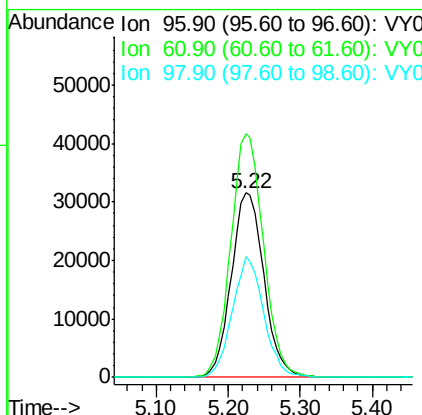
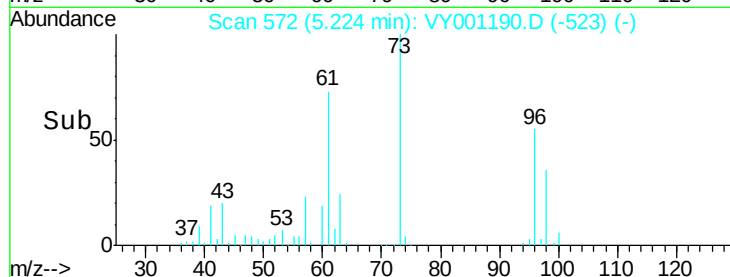
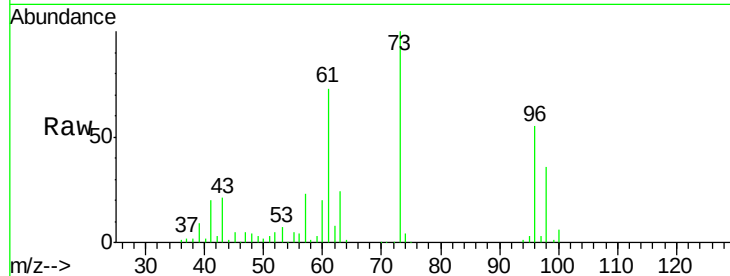
#21
trans-1,2-Dichloroethene
Concen: 51.783 ug/l
RT: 5.22 min Scan# 572
Delta R.T. -0.00 min
Lab File: VY001190.D
Acq: 14 Jan 2020 09:32

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	131.9	107.6	161.4
98	65.3	47.6	71.4

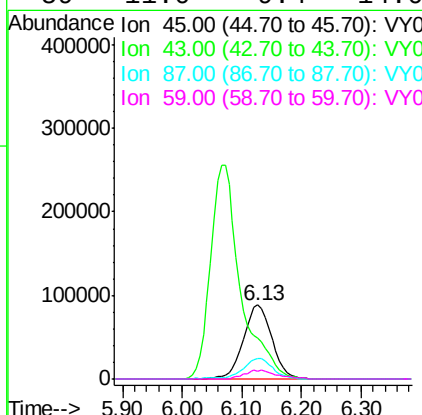
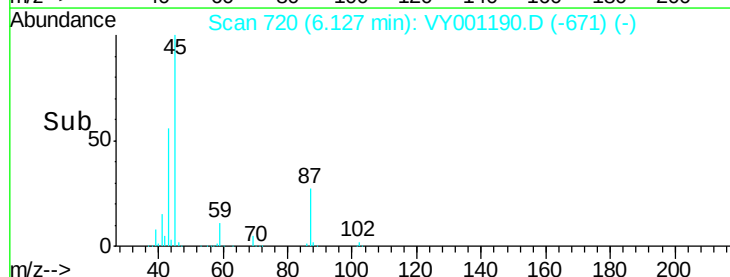
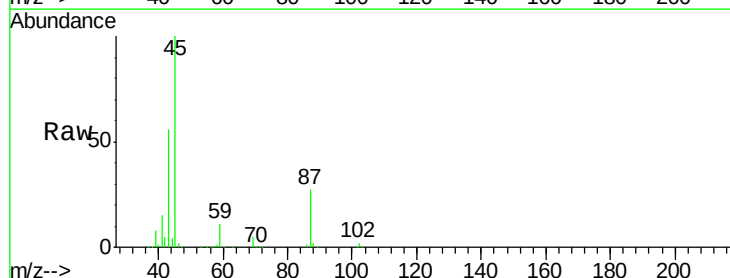
Manual Integrations
APPROVED

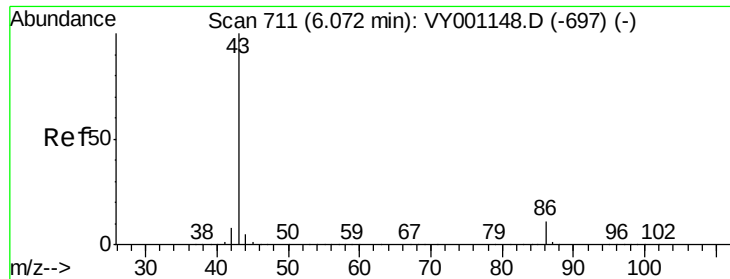
MMDadoda
1/15/2020 9:30:16 AM



#22
Diisopropyl ether
Concen: 50.761 ug/l
RT: 6.13 min Scan# 720
Delta R.T. -0.00 min
Lab File: VY001190.D
Acq: 14 Jan 2020 09:32

Tgt Ion	Ratio	Lower	Upper
45	100		
43	55.7	46.5	69.7
87	27.3	22.5	33.7
59	11.0	9.4	14.0





#23

Vinyl Acetate

Concen: 239.191 ug/l

RT: 6.07 min Scan# 711

Delta R.T. -0.00 min

Lab File: VY001190.D

Acq: 14 Jan 2020 09:32

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 892216

Ion Ratio Lower Upper

43 100

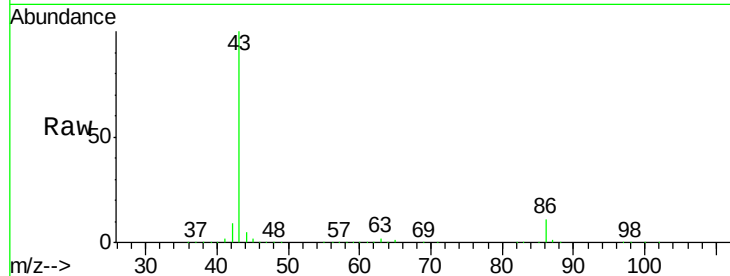
86 11.2 9.0 13.4

Manual Integrations

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MMDadoda

1/15/2020 9:30:16 AM



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 86.00 (85.70 to 86.70): VY0

300000

250000

200000

150000

100000

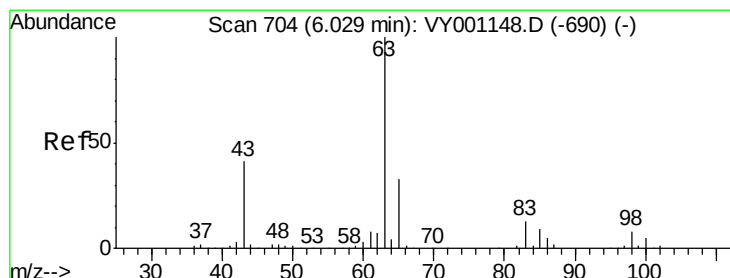
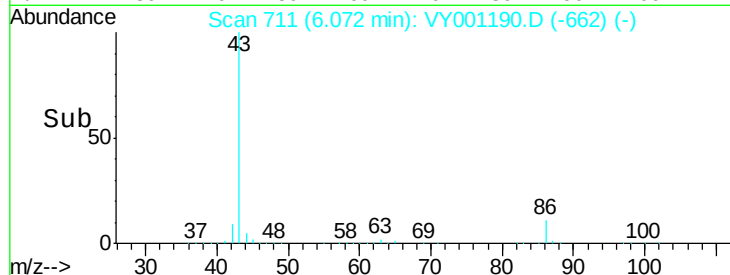
50000

0

6.07

5.90 6.00 6.10 6.20 6.30

Time-->



#24

1,1-Dichloroethane

Concen: 51.348 ug/l

RT: 6.03 min Scan# 704

Delta R.T. -0.00 min

Lab File: VY001190.D

Acq: 14 Jan 2020 09:32

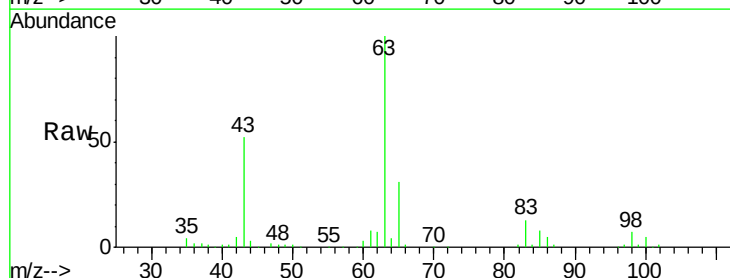
Tgt Ion: 63 Resp: 163956

Ion Ratio Lower Upper

63 100

98 7.5 3.9 11.7

100 4.7 2.4 7.2



Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 97.90 (97.60 to 98.60): VY0

Ion 99.90 (99.60 to 100.60): VY0

60000

40000

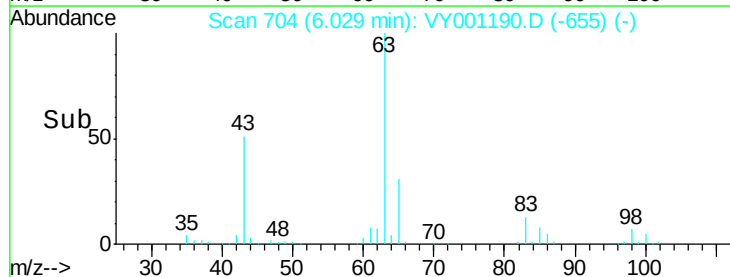
20000

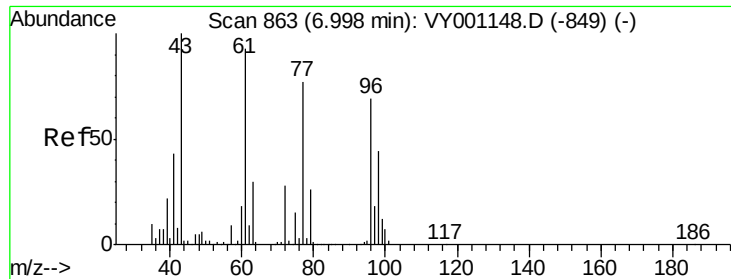
0

6.03

5.90 6.00 6.10 6.20

Time-->





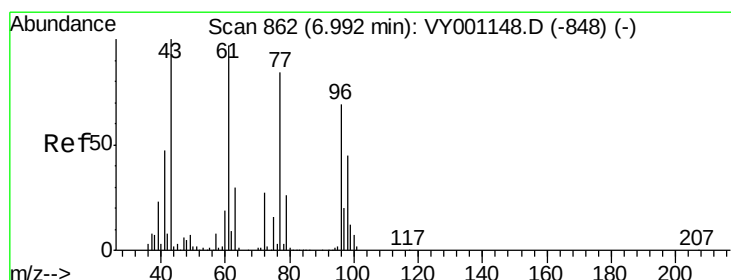
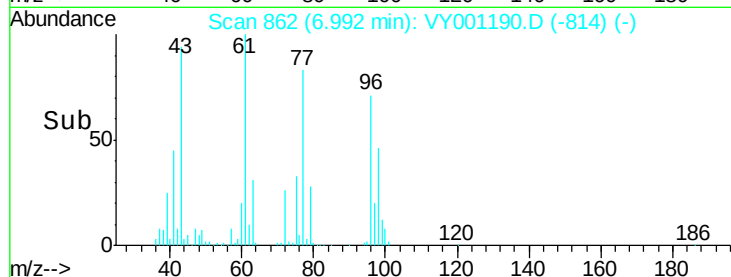
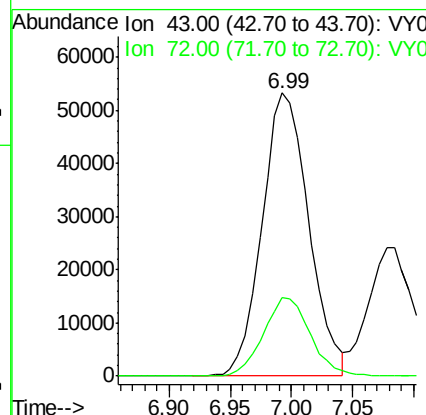
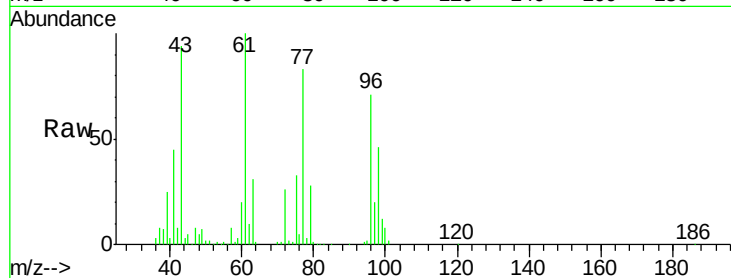
#25
2-Butanone
Concen: 223.058 ug/l
RT: 6.99 min Scan# 862
Delta R.T. -0.01 min
Lab File: VY001190.D
Acq: 14 Jan 2020 09:32

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	43	Resp	140934
Ion Ratio	Lower	Upper	
43	100		
72	27.6	22.2	33.2

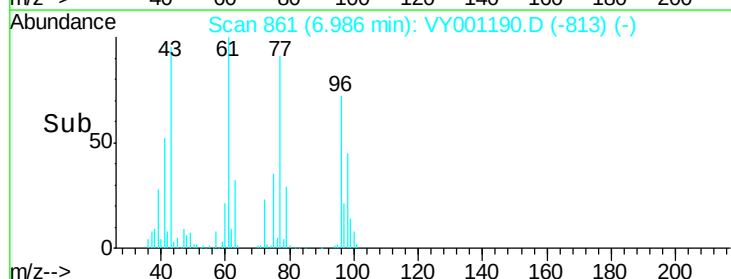
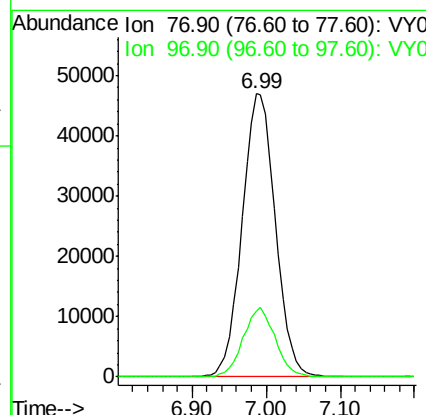
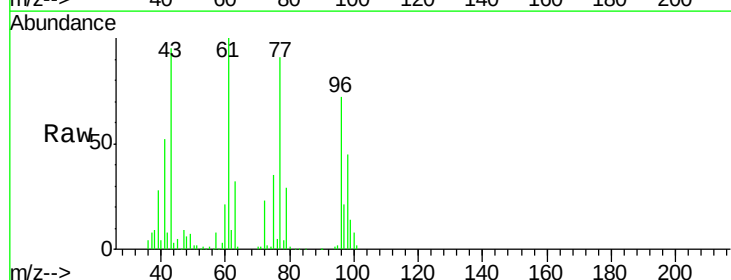
Manual Integrations
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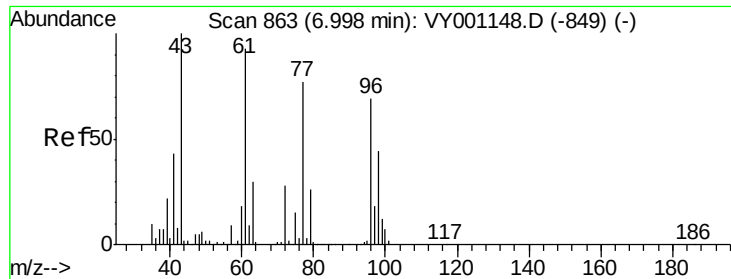
MMDadoda
1/15/2020 9:30:16 AM



#26
2,2-Dichloropropane
Concen: 50.050 ug/l
RT: 6.99 min Scan# 861
Delta R.T. -0.01 min
Lab File: VY001190.D
Acq: 14 Jan 2020 09:32

Tgt Ion	77	Resp	146960
Ion Ratio	Lower	Upper	
77	100		
97	23.5	11.9	35.7





#27

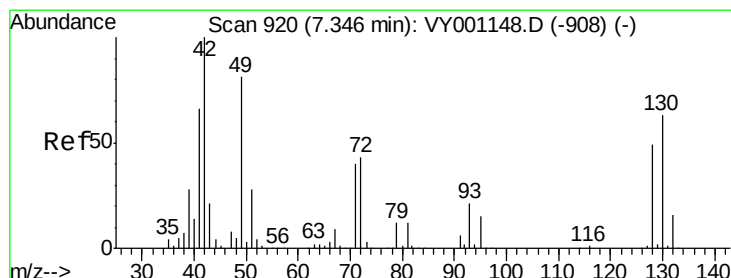
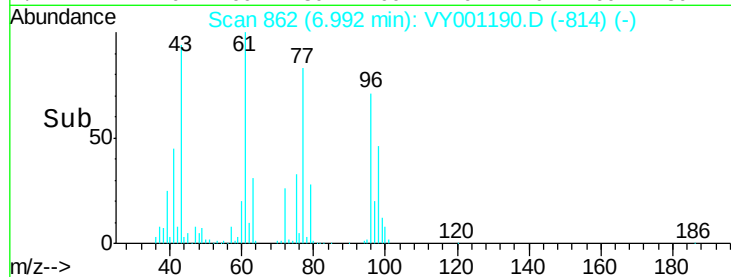
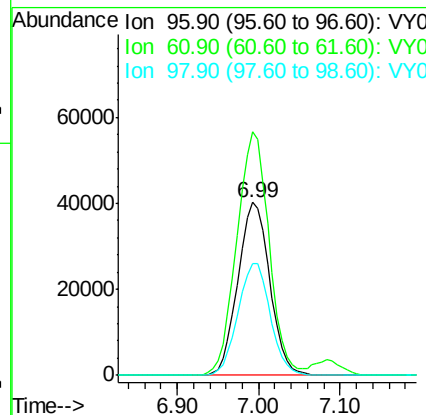
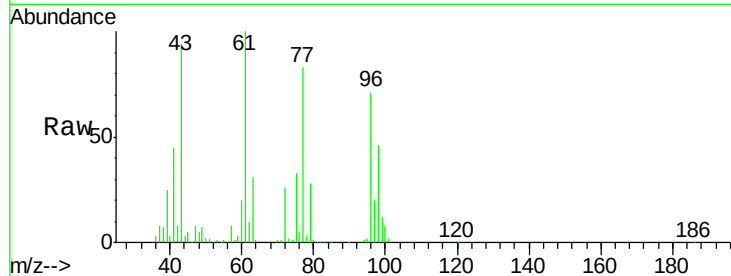
cis-1,2-Dichloroethene
 Concen: 51.716 ug/l
 RT: 6.99 min Scan# 862
 Delta R.T. -0.01 min
 Lab File: VY001190.D
 Acq: 14 Jan 2020 09:32

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	108716		
61	143.1		0.0	284.0
98	65.8		0.0	130.2

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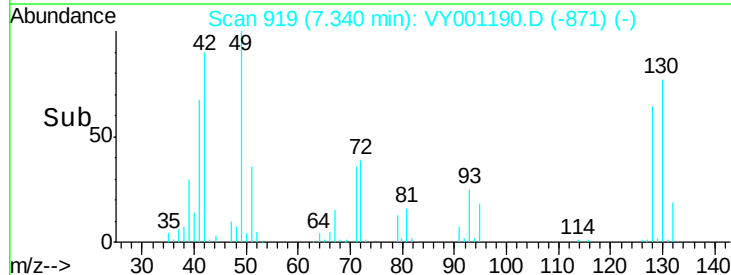
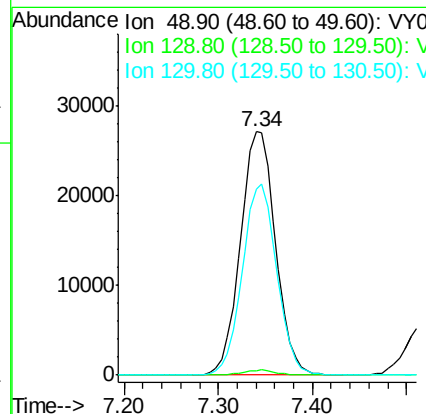
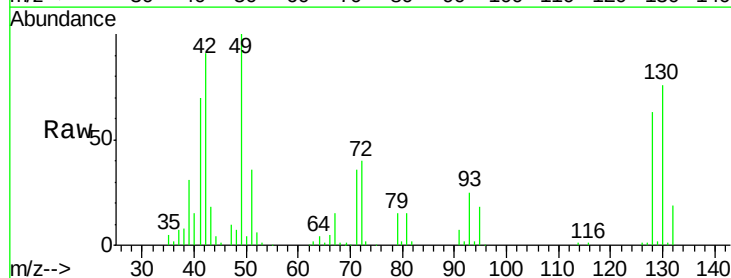
MMDadoda
 1/15/2020 9:30:16 AM

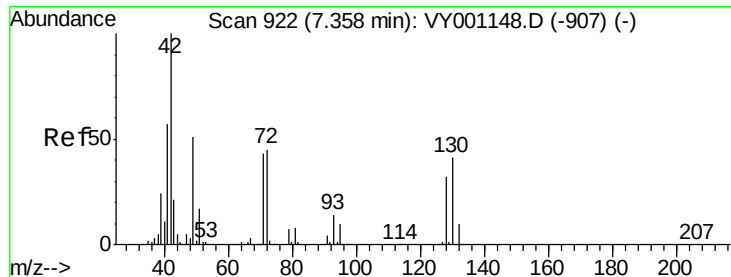


#28

Bromochloromethane
 Concen: 53.841 ug/l
 RT: 7.34 min Scan# 919
 Delta R.T. -0.01 min
 Lab File: VY001190.D
 Acq: 14 Jan 2020 09:32

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	70596		
129	2.0		0.0	4.4
130	77.2		61.2	91.8





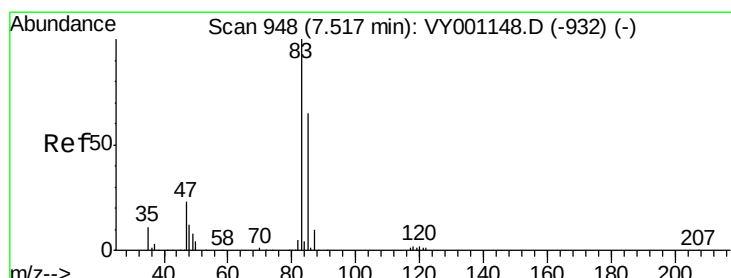
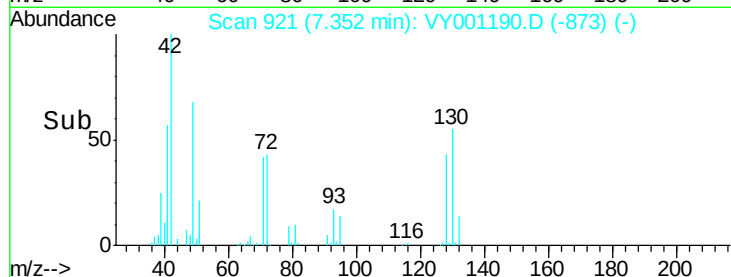
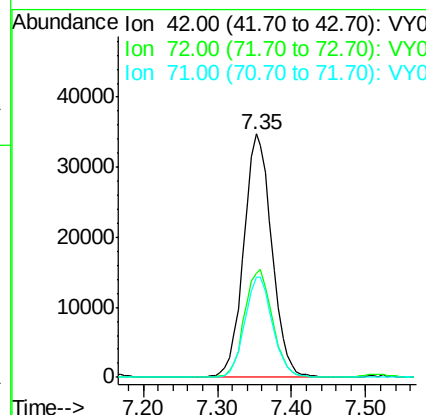
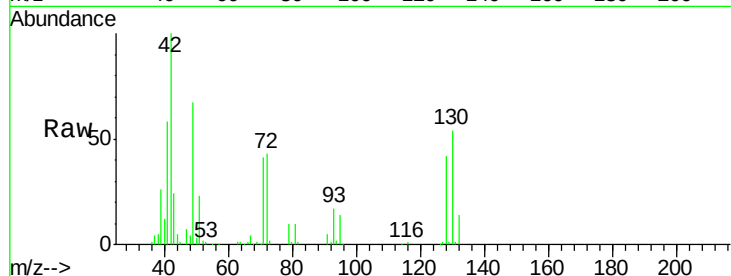
#29
Tetrahydrofuran
Concen: 213.212 ug/l
RT: 7.35 min Scan# 921
Delta R.T. -0.01 min
Lab File: VY001190.D
Acq: 14 Jan 2020 09:32

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.0	36.9	55.3
71	40.7	34.0	51.0

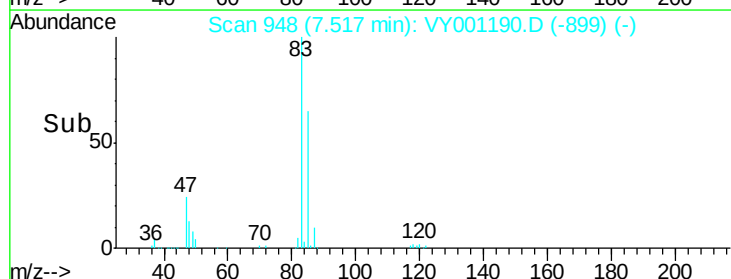
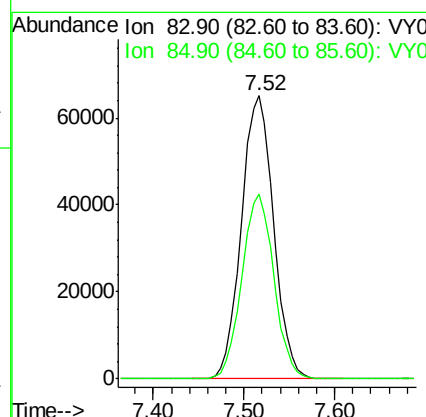
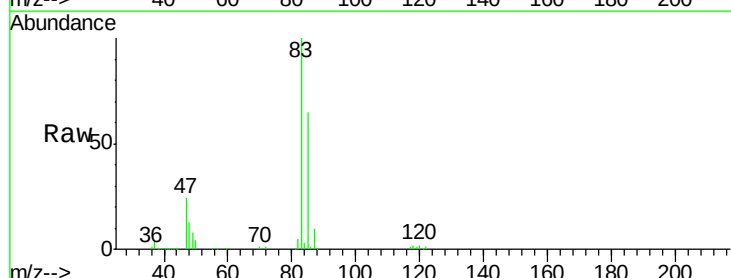
Manual Integrations
APPROVED

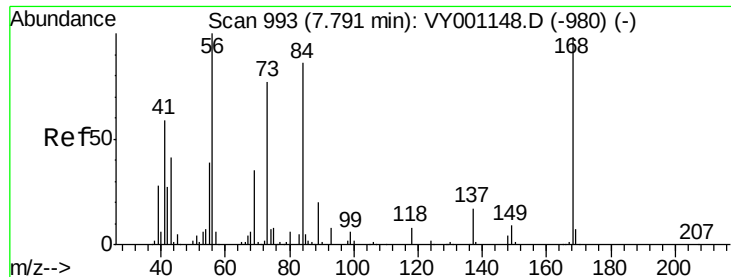
MMDadoda
1/15/2020 9:30:16 AM



#30
Chloroform
Concen: 51.198 ug/l
RT: 7.52 min Scan# 948
Delta R.T. -0.00 min
Lab File: VY001190.D
Acq: 14 Jan 2020 09:32

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.3	51.9	77.9





#31

Cyclohexane

Concen: 46.985 ug/l

RT: 7.79 min Scan# 993

Delta R.T. -0.00 min

Lab File: VY001190.D

Acq: 14 Jan 2020 09:32

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 158846

Ion Ratio Lower Upper

56 100

69 34.3 27.8 41.8

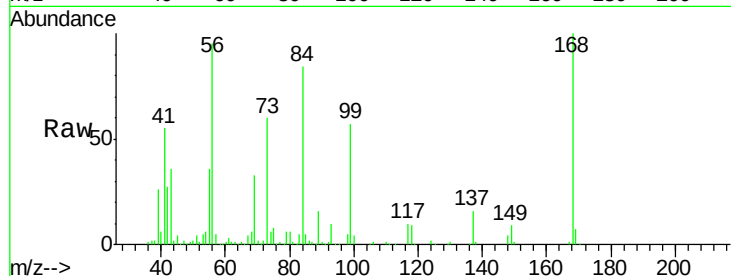
84 87.3 68.9 103.3

Manual Integrations

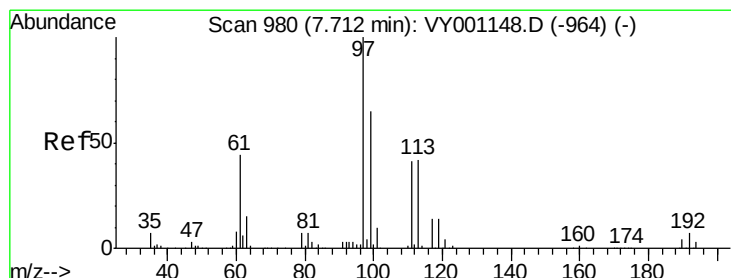
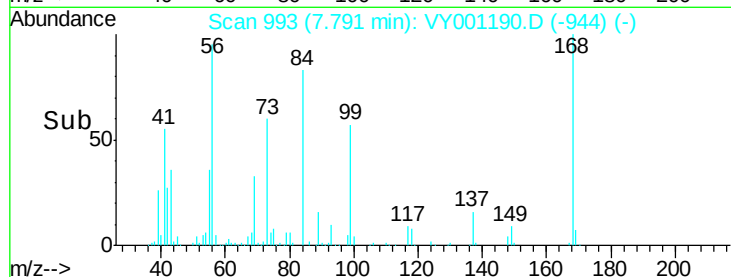
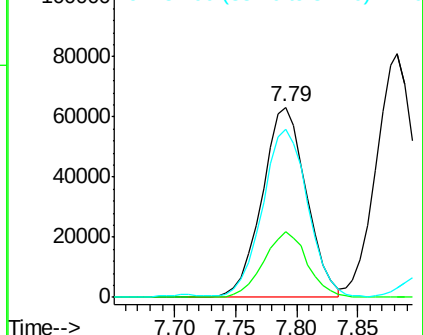
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Abundance Ion 56.00 (55.70 to 56.70): VY0
Ion 69.00 (68.70 to 69.70): VY0
Ion 84.00 (83.70 to 84.70): VY0



#32

1,1,1-Trichloroethane

Concen: 50.194 ug/l

RT: 7.71 min Scan# 979

Delta R.T. -0.01 min

Lab File: VY001190.D

Acq: 14 Jan 2020 09:32

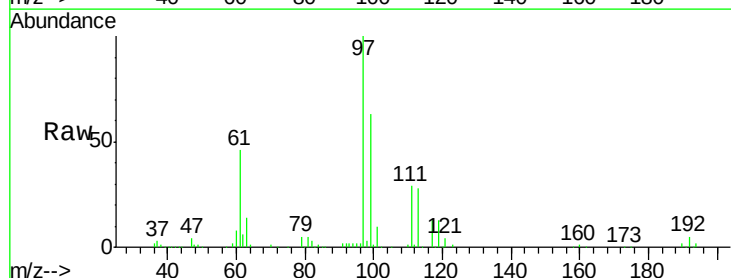
Tgt Ion: 97 Resp: 139339

Ion Ratio Lower Upper

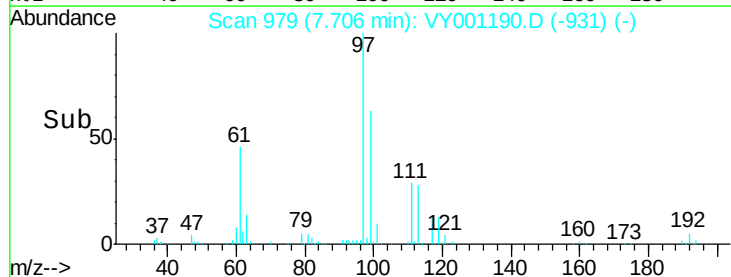
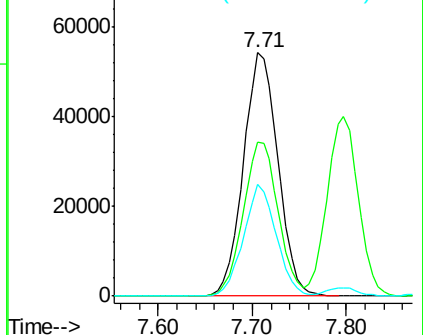
97 100

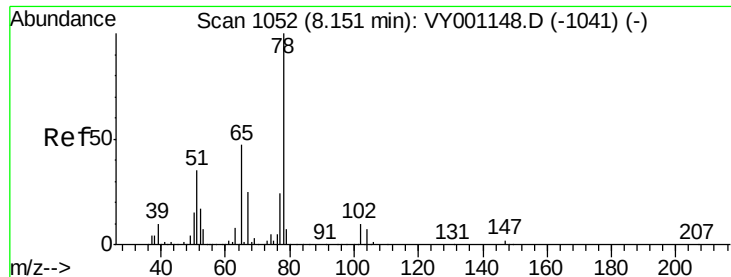
99 64.0 51.3 76.9

61 43.6 34.6 52.0



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





#33

1,2-Dichloroethane-d4

Concen: 47.033 ug/l

RT: 8.14 min Scan# 1051

Delta R.T. -0.01 min

Lab File: VY001190.D

Acq: 14 Jan 2020 09:32

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 65 Resp: 82216

Ion Ratio Lower Upper

65 100

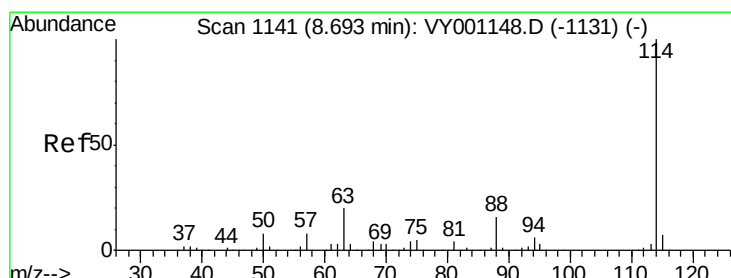
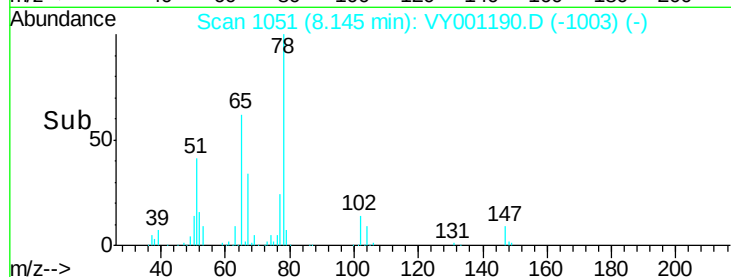
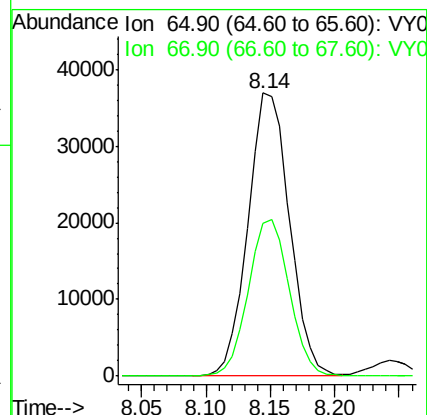
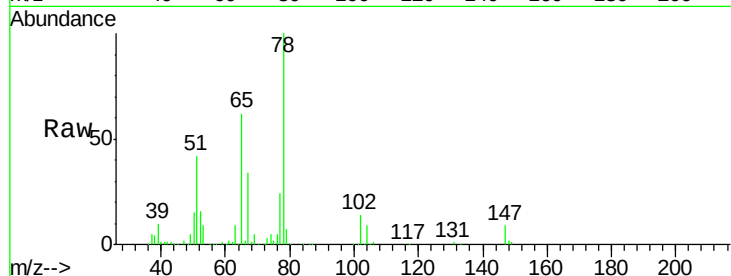
67 54.9 0.0 105.2

Manual Integrations

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.69 min Scan# 1141

Delta R.T. -0.00 min

Lab File: VY001190.D

Acq: 14 Jan 2020 09:32

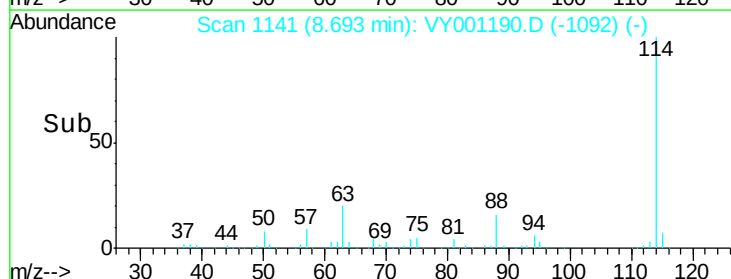
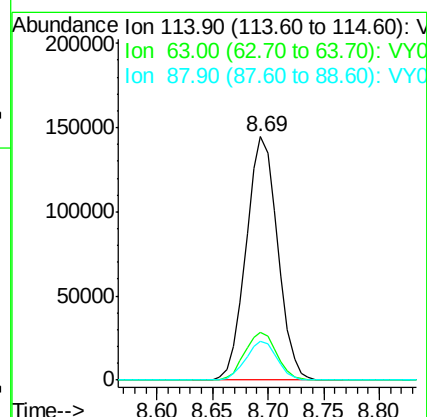
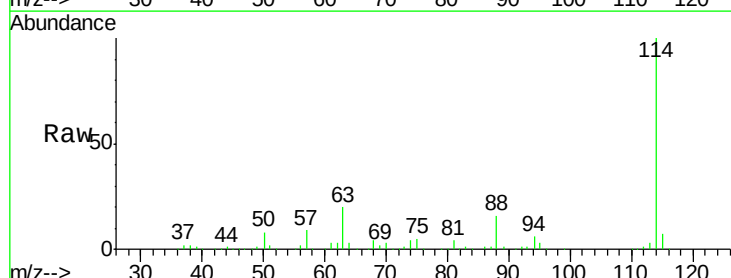
Tgt Ion: 114 Resp: 284934

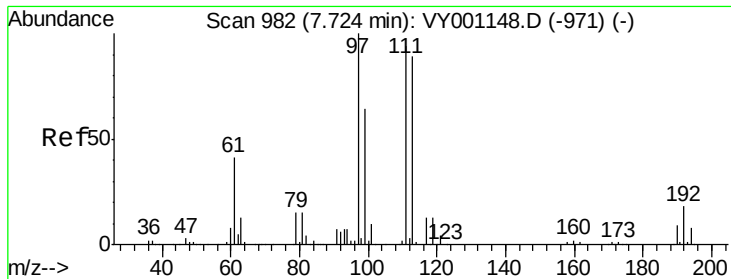
Ion Ratio Lower Upper

114 100

63 19.6 0.0 40.8

88 16.0 0.0 32.4





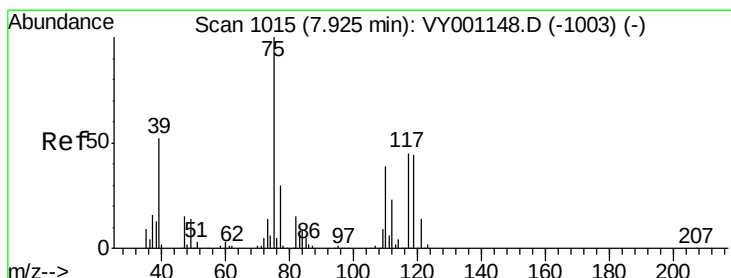
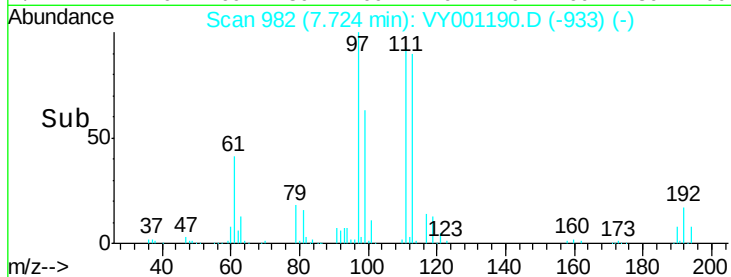
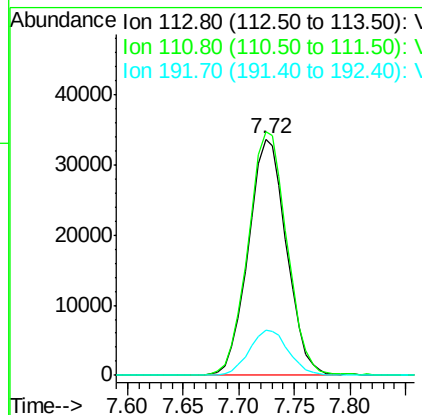
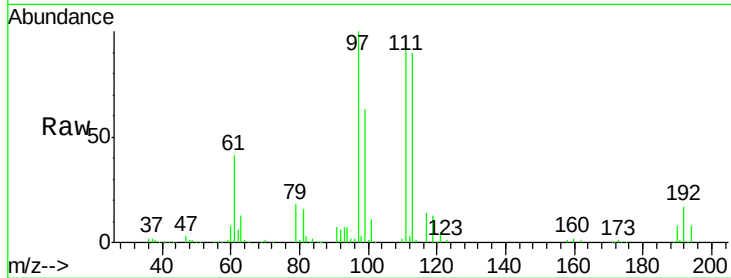
#35
 Dibromofluoromethane
 Concen: 48.211 ug/l
 RT: 7.72 min Scan# 982
 Delta R.T. -0.00 min
 Lab File: VY001190.D
 Acq: 14 Jan 2020 09:32

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
113	100		
111	104.7	82.9	124.3
192	19.6	15.4	23.2

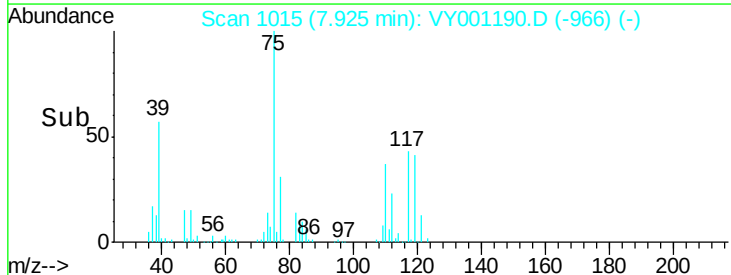
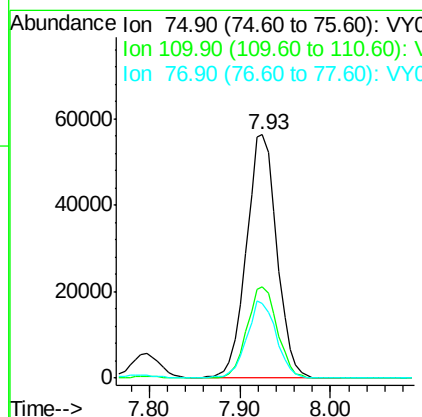
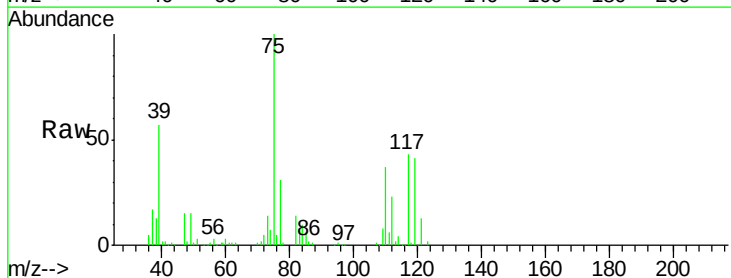
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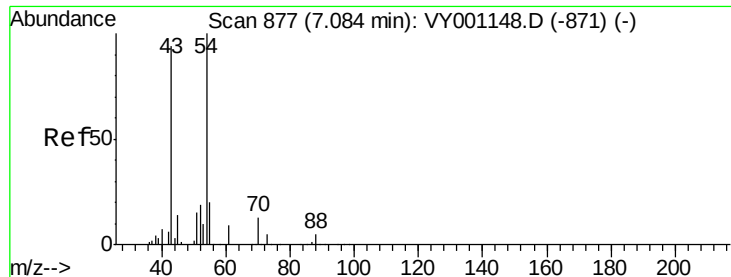
MMDadoda
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#36
 1,1-Dichloropropene
 Concen: 50.444 ug/l
 RT: 7.93 min Scan# 1015
 Delta R.T. -0.00 min
 Lab File: VY001190.D
 Acq: 14 Jan 2020 09:32

Tgt Ion	Ratio	Lower	Upper
75	100		
110	37.0	18.3	54.8
77	30.8	25.1	37.7





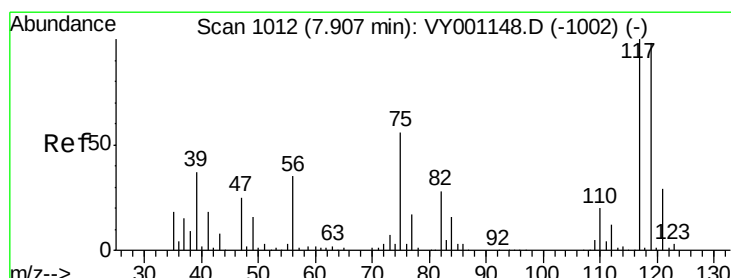
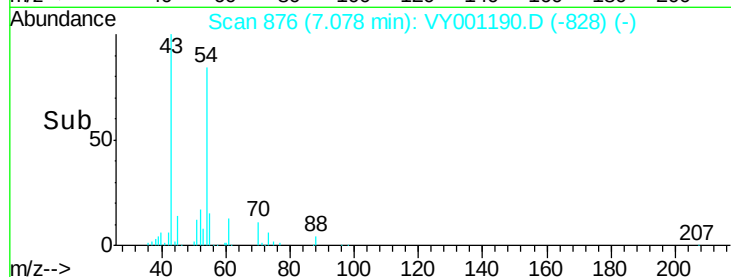
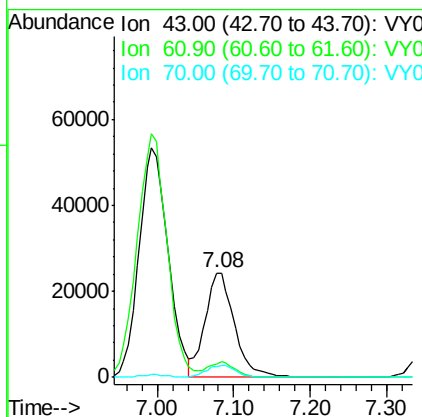
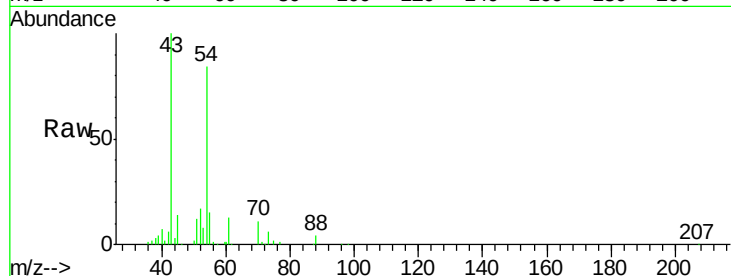
#37
Ethyl Acetate
Concen: 42.217 ug/l
RT: 7.08 min Scan# 876
Delta R.T. -0.01 min
Lab File: VY001190.D
Acq: 14 Jan 2020 09:32

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.1	11.1	16.7
70	11.4	9.7	14.5

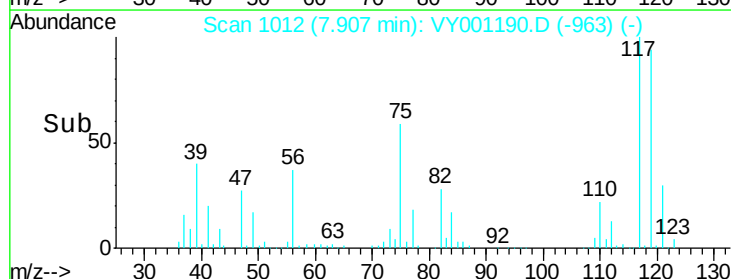
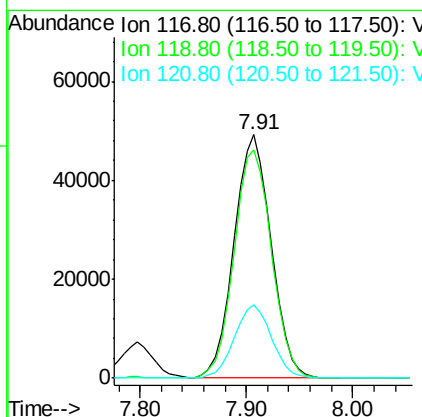
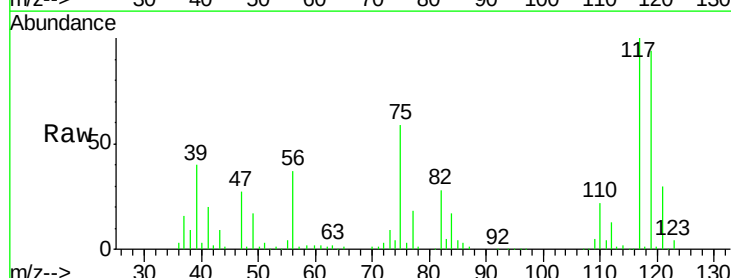
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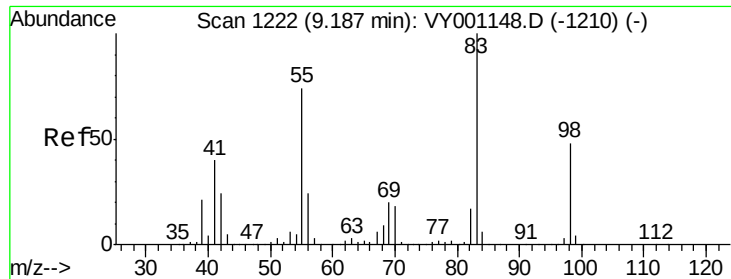
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#38
Carbon Tetrachloride
Concen: 50.648 ug/l
RT: 7.91 min Scan# 1012
Delta R.T. -0.00 min
Lab File: VY001190.D
Acq: 14 Jan 2020 09:32

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.6	78.3	117.5
121	30.4	23.5	35.3





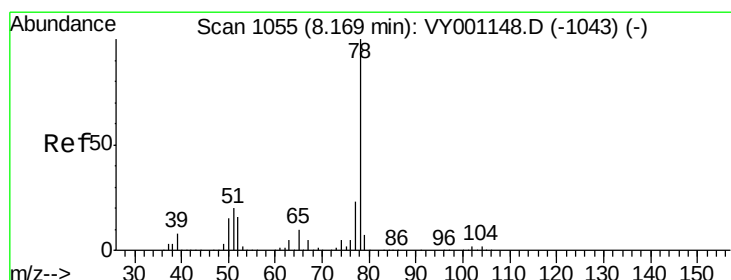
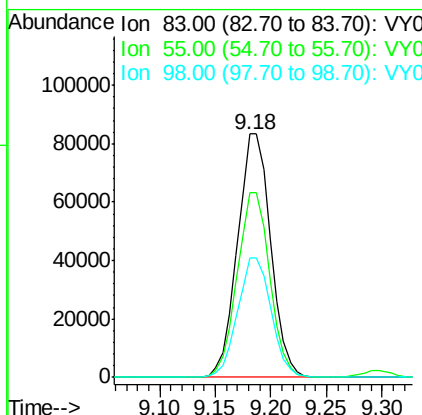
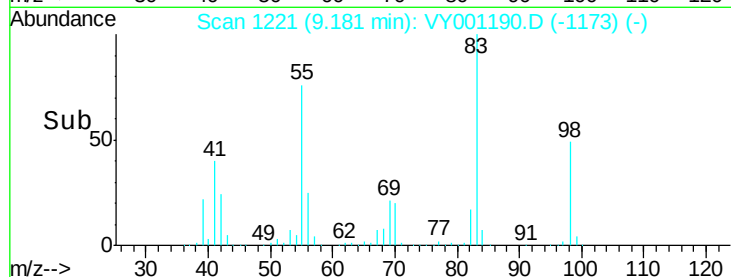
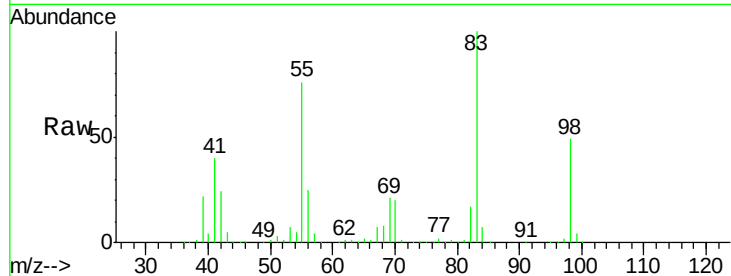
#39
Methylvlcyclohexane
Concen: 49.097 ug/l
RT: 9.18 min Scan# 1221
Delta R.T. -0.01 min
Lab File: VY001190.D
Acq: 14 Jan 2020 09:32

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	75.8	58.9	88.3
98	49.1	38.4	57.6

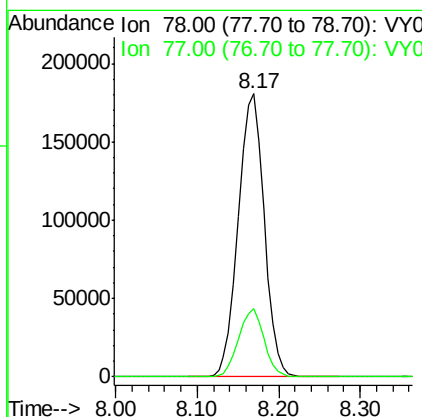
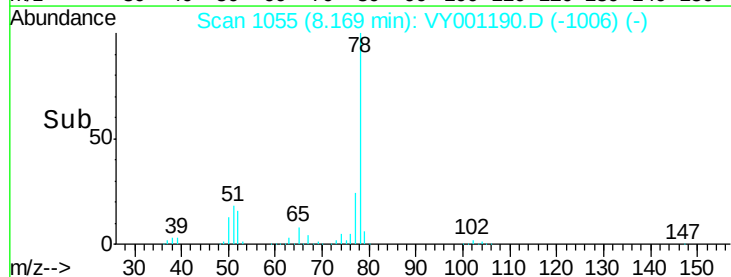
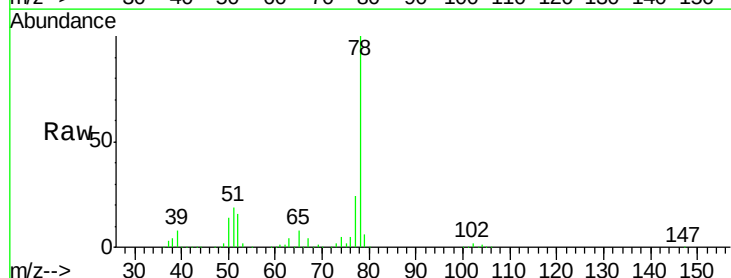
Manual Integrations
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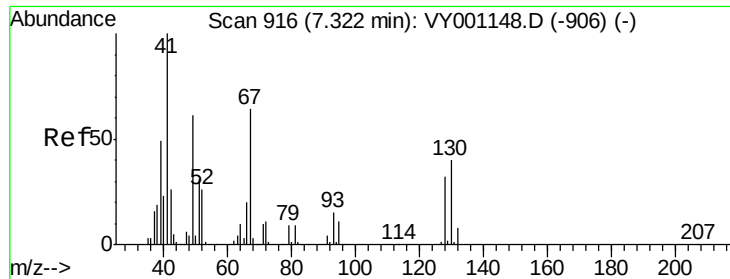
MMDadoda
1/15/2020 9:30:16 AM



#40
Benzene
Concen: 52.511 ug/l
RT: 8.17 min Scan# 1055
Delta R.T. -0.00 min
Lab File: VY001190.D
Acq: 14 Jan 2020 09:32

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.0	18.8	28.2





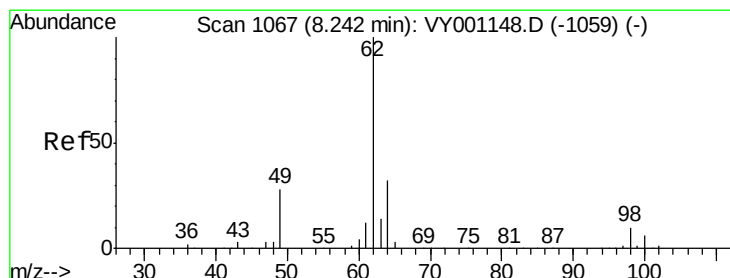
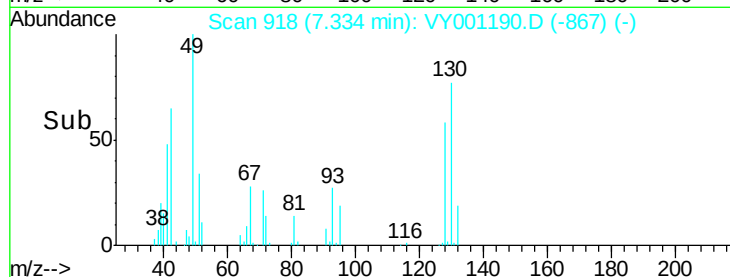
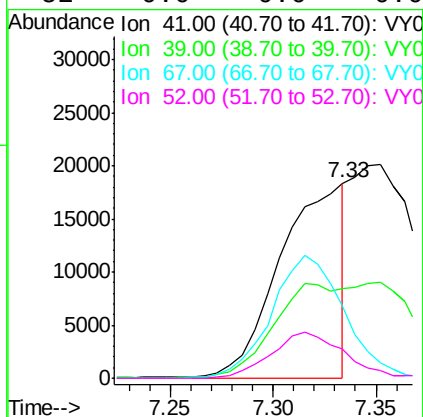
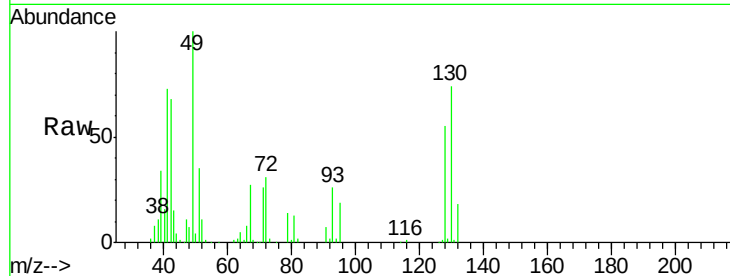
#41
Methacrylonitrile
Concen: 56.526 ug/l m
RT: 7.33 min Scan# 918
Delta R.T. 0.01 min
Lab File: VY001190.D
Acq: 14 Jan 2020 09:32

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	0.0	103.5	155.3#
67	0.0	0.0	0.0
52	0.0	0.0	0.0

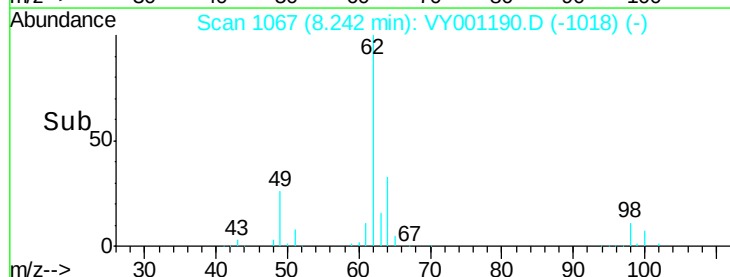
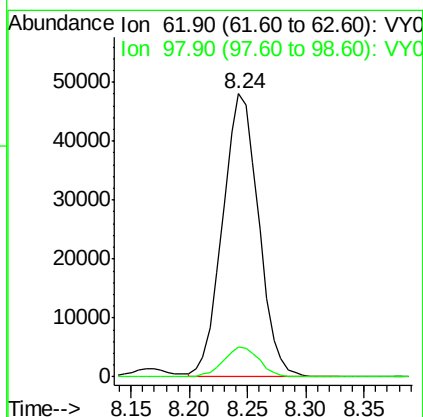
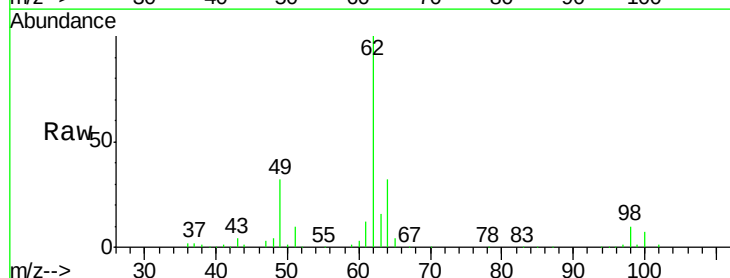
Manual Integrations
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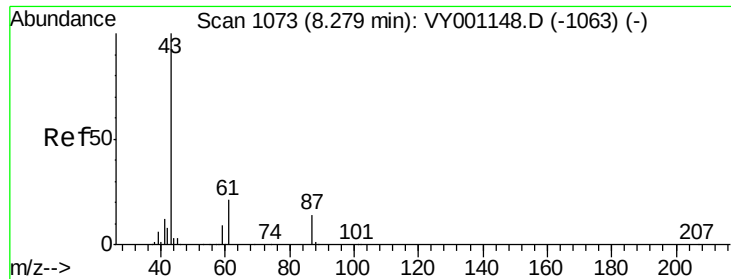
MMDadoda
1/15/2020 9:30:16 AM



#42
1,2-Dichloroethane
Concen: 48.656 ug/l
RT: 8.24 min Scan# 1067
Delta R.T. -0.00 min
Lab File: VY001190.D
Acq: 14 Jan 2020 09:32

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.6	0.0	20.4





#43

Isopropyl Acetate

Concen: 43.644 ug/l

RT: 8.28 min Scan# 1073

Delta R.T. -0.00 min

Lab File: VY001190.D

Acq: 14 Jan 2020 09:32

Instrument :

MSVOA_Y

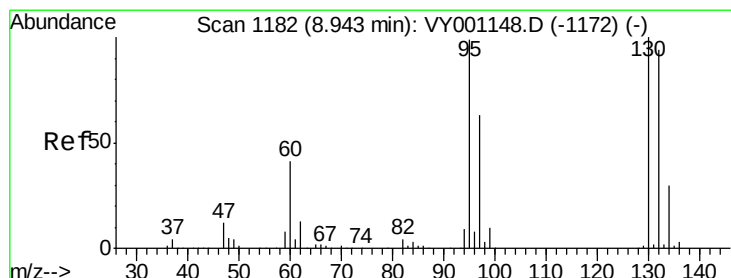
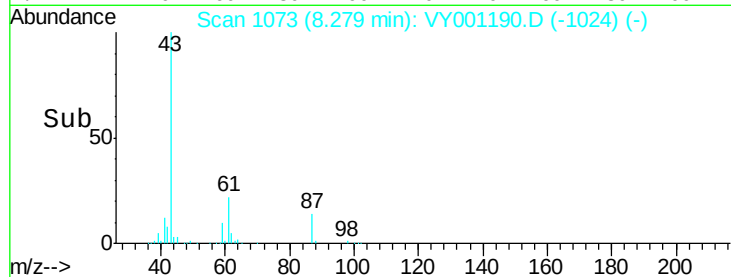
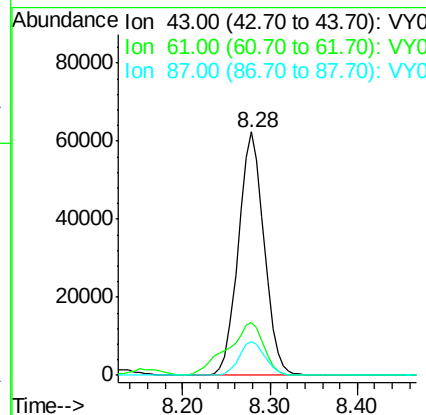
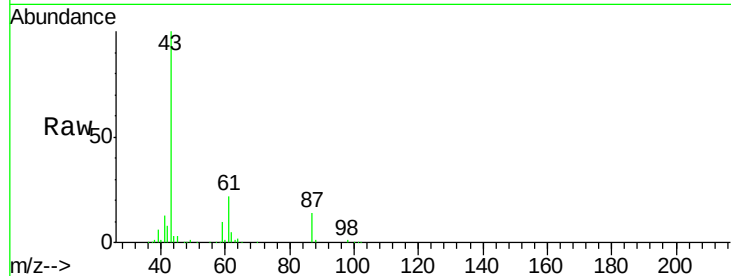
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	127198
Ion	Ratio	Lower	Upper
43	100		
61	30.7	23.9	35.9
87	14.1	11.4	17.2

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1/15/2020 9:30:16 AM



#44

Trichloroethene

Concen: 51.989 ug/l

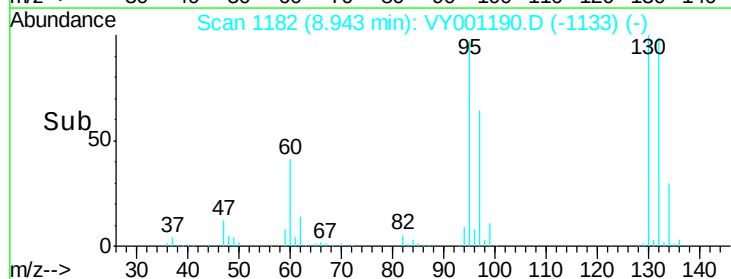
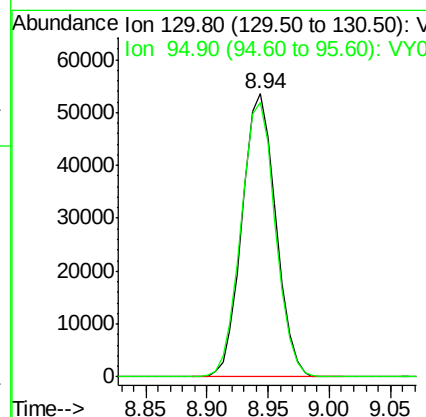
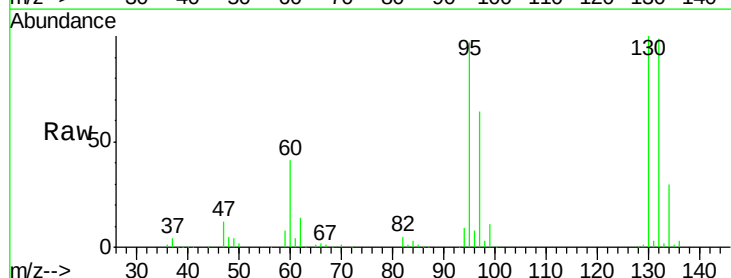
RT: 8.94 min Scan# 1182

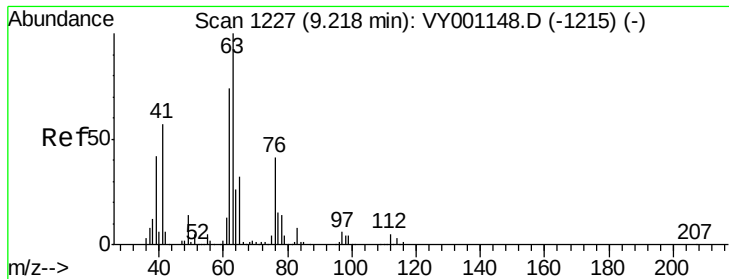
Delta R.T. -0.00 min

Lab File: VY001190.D

Acq: 14 Jan 2020 09:32

Tgt Ion:	130	Resp:	102695
Ion	Ratio	Lower	Upper
130	100		
95	97.1	0.0	197.6





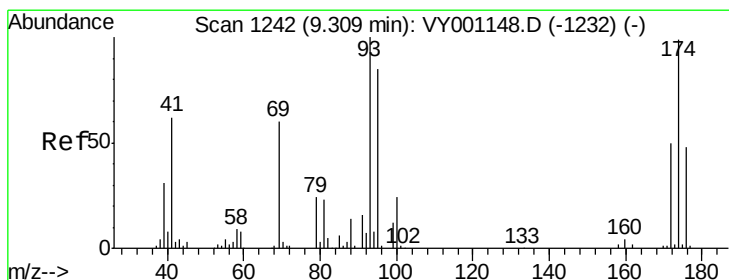
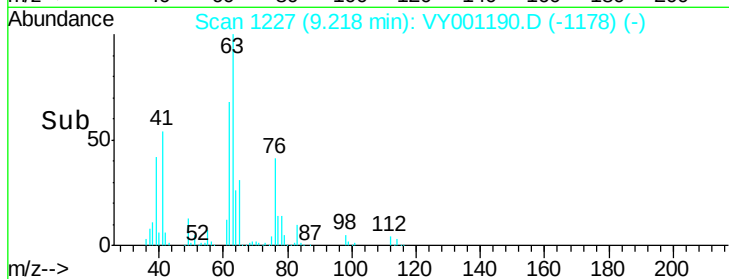
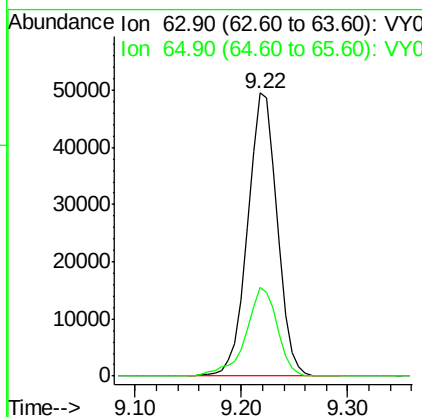
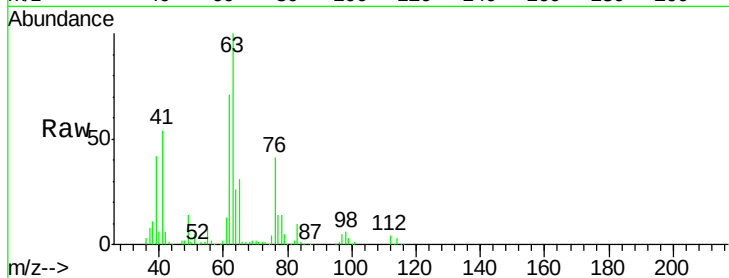
#45
 1,2-Dichloropropane
 Concen: 51.624 ug/l
 RT: 9.22 min Scan# 1227
 Delta R.T. -0.00 min
 Lab File: VY001190.D
 Acq: 14 Jan 2020 09:32

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.2	25.8	38.8

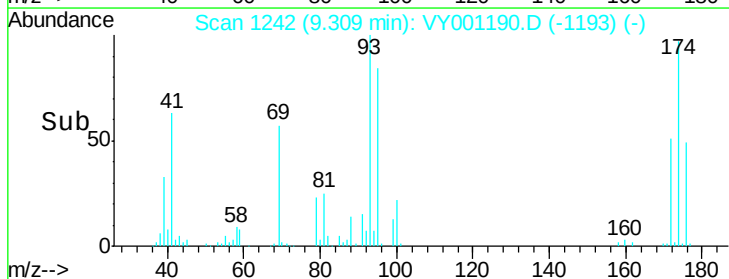
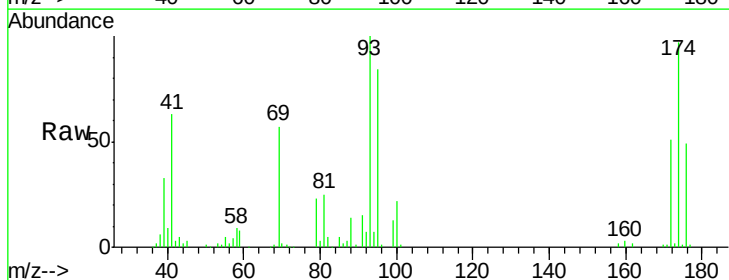
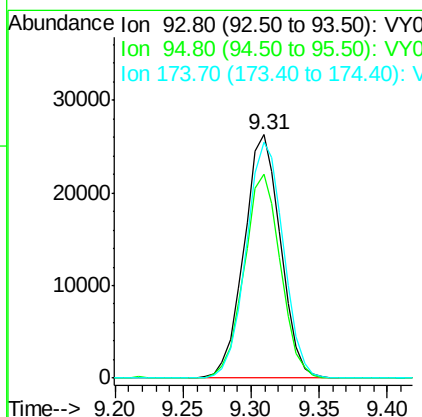
Manual Integrations
 APPROVED

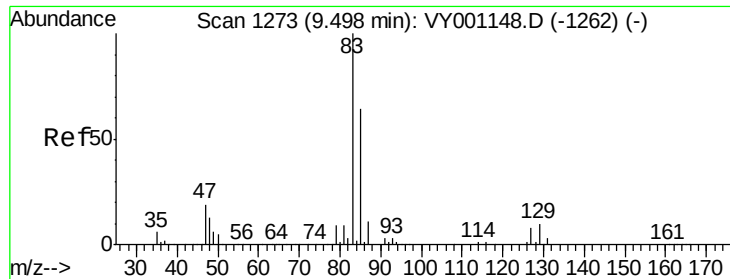
MMDadoda
 1/15/2020 9:30:16 AM



#46
 Dibromomethane
 Concen: 48.296 ug/l
 RT: 9.31 min Scan# 1242
 Delta R.T. -0.00 min
 Lab File: VY001190.D
 Acq: 14 Jan 2020 09:32

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.5	66.8	100.2
174	98.8	78.4	117.6





#47

Bromodichloromethane

Concen: 50.857 ug/l

RT: 9.50 min Scan# 1273

Delta R.T. -0.00 min

Lab File: VY001190.D

Acq: 14 Jan 2020 09:32

Instrument :

MSVOA_Y

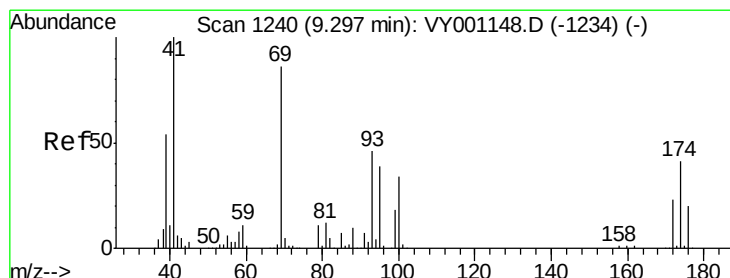
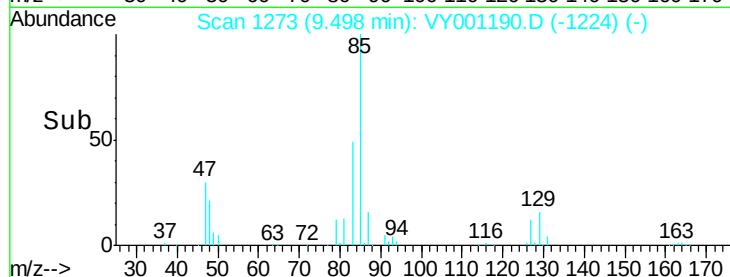
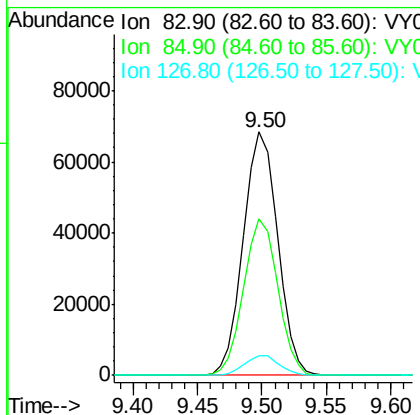
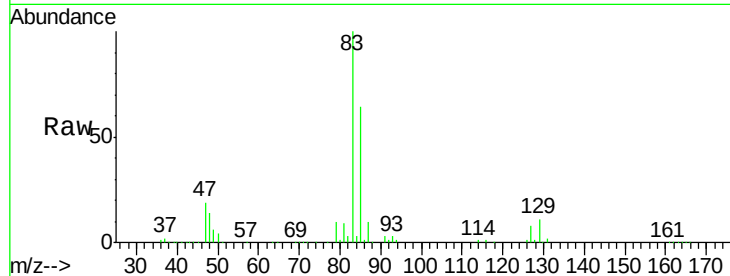
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	126739
Ion Ratio	Lower	Upper	
83	100		
85	64.1	51.5	77.3
127	7.9	6.3	9.5

Manual Integrations
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MMDadoda
1/15/2020 9:30:16 AM



#48

Methyl methacrylate

Concen: 43.704 ug/l

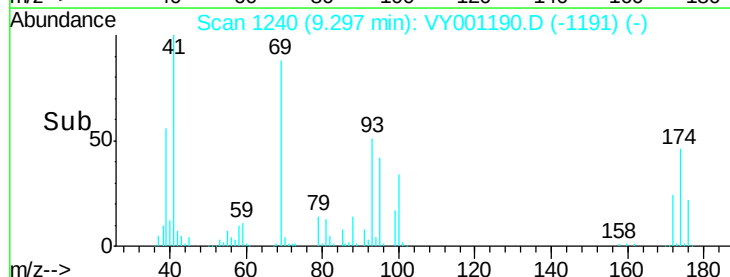
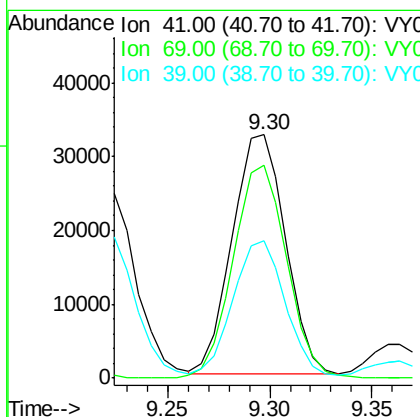
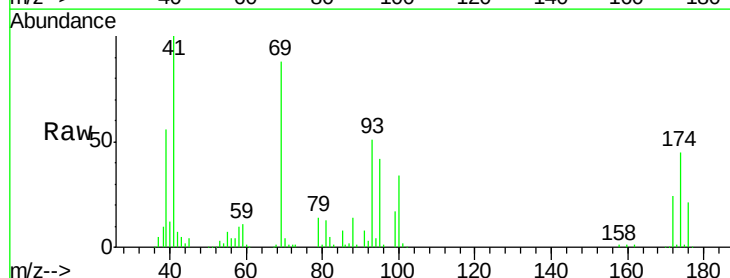
RT: 9.30 min Scan# 1240

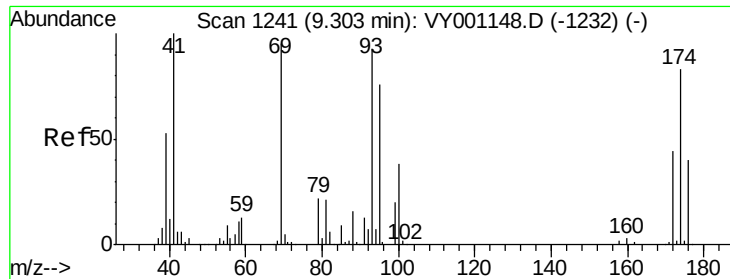
Delta R.T. -0.00 min

Lab File: VY001190.D

Acq: 14 Jan 2020 09:32

Tgt Ion:	41	Resp:	58942
Ion Ratio	Lower	Upper	
41	100		
69	89.5	69.8	104.8
39	57.0	45.2	67.8





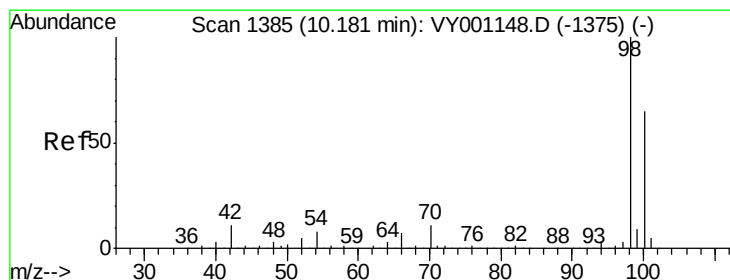
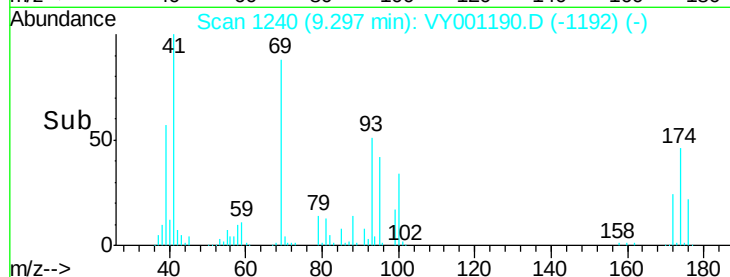
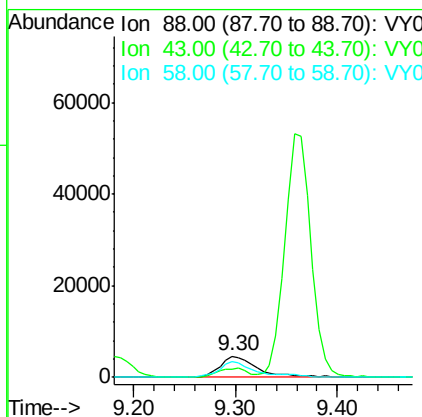
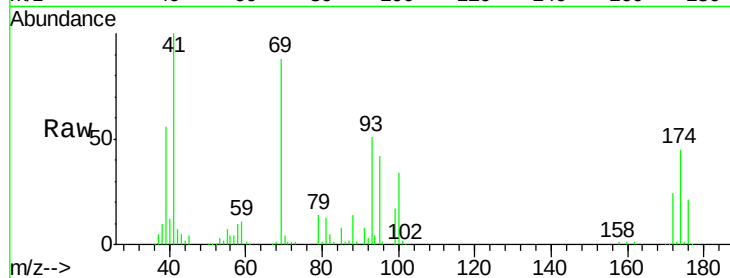
#49
 1,4-Dioxane
 Concen: 955.840 ug/l
 RT: 9.30 min Scan# 1240
 Delta R.T. -0.01 min
 Lab File: VY001190.D
 Acq: 14 Jan 2020 09:32

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	32.4	22.4	33.6
58	73.9	58.0	87.0

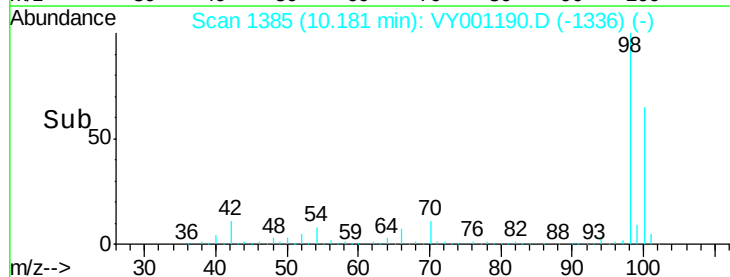
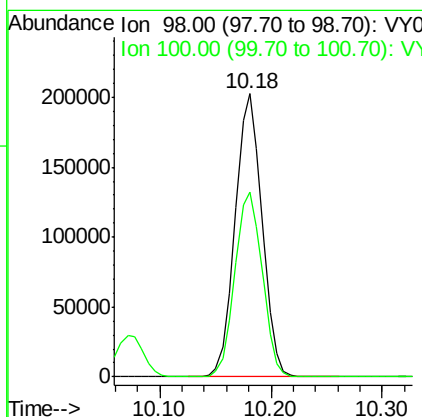
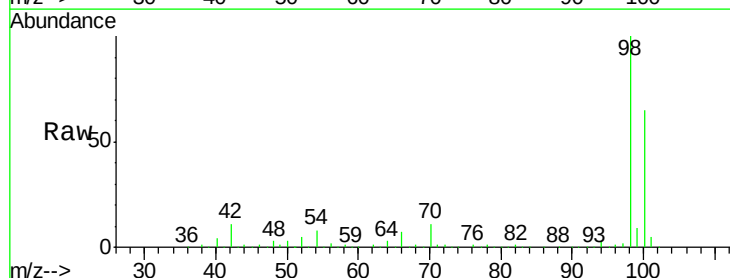
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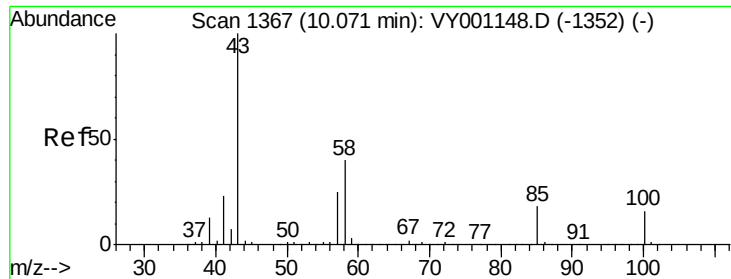
MMDadoda
 1/15/2020 9:30:16 AM



#50
 Toluene-d8
 Concen: 52.664 ug/l
 RT: 10.18 min Scan# 1385
 Delta R.T. -0.00 min
 Lab File: VY001190.D
 Acq: 14 Jan 2020 09:32

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.5	53.1	79.7





#51

4-Methyl-2-Pentanone

Concen: 211.934 ug/l

RT: 10.07 min Scan# 1367

Delta R.T. -0.00 min

Lab File: VY001190.D

Acq: 14 Jan 2020 09:32

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 313408

Ion Ratio Lower Upper

43 100

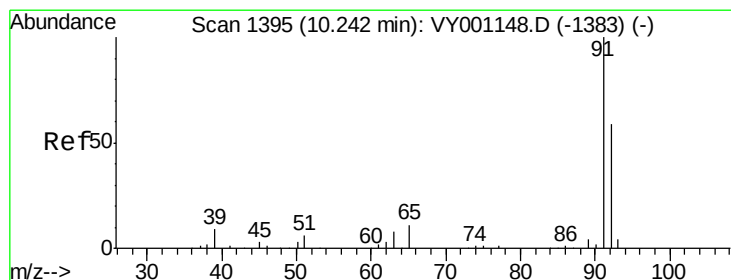
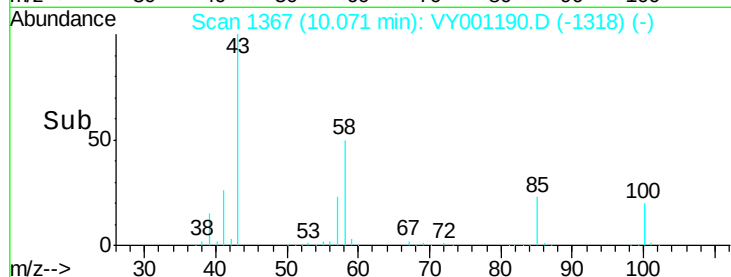
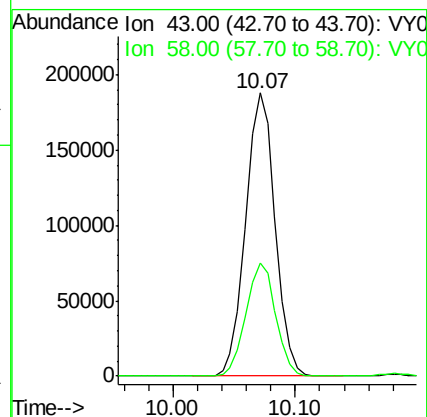
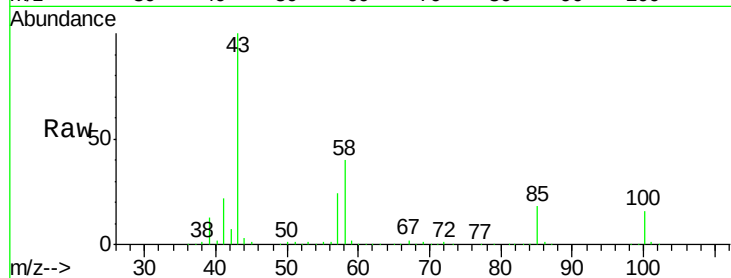
58 40.4 32.3 48.5

Manual Integrations

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MMDadoda

1/15/2020 9:30:16 AM



#52

Toluene

Concen: 52.237 ug/l

RT: 10.24 min Scan# 1395

Delta R.T. -0.00 min

Lab File: VY001190.D

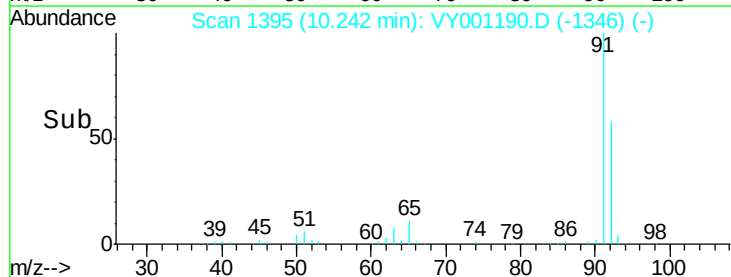
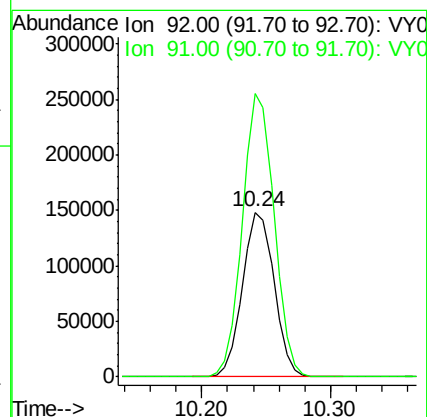
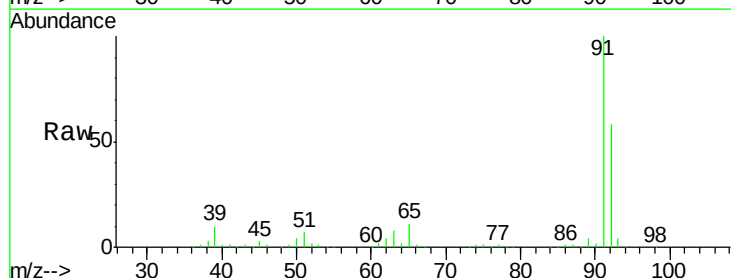
Acq: 14 Jan 2020 09:32

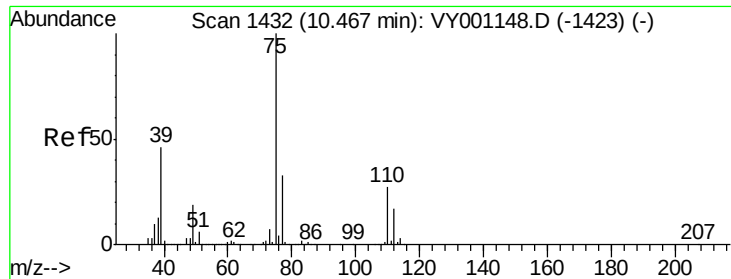
Tgt Ion: 92 Resp: 252569

Ion Ratio Lower Upper

92 100

91 171.8 136.6 204.8





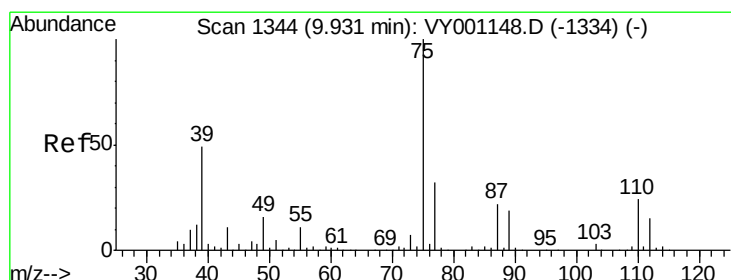
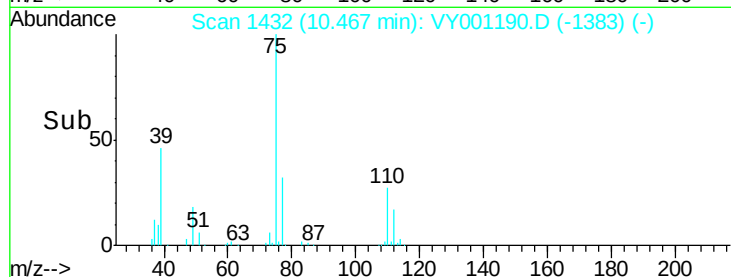
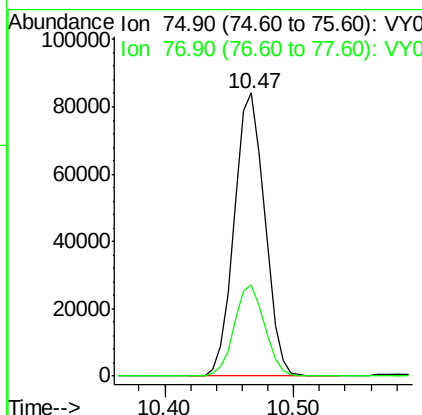
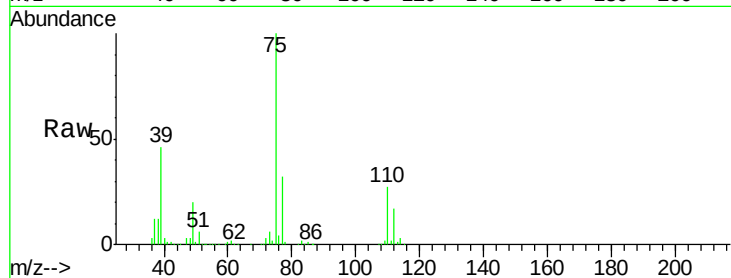
#53
 t-1,3-Dichloropropene
 Concen: 49.598 ug/l
 RT: 10.47 min Scan# 1432
 Delta R.T. -0.00 min
 Lab File: VY001190.D
 Acq: 14 Jan 2020 09:32

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion: 75 Resp: 138309
 Ion Ratio Lower Upper
 75 100
 77 32.0 26.2 39.2

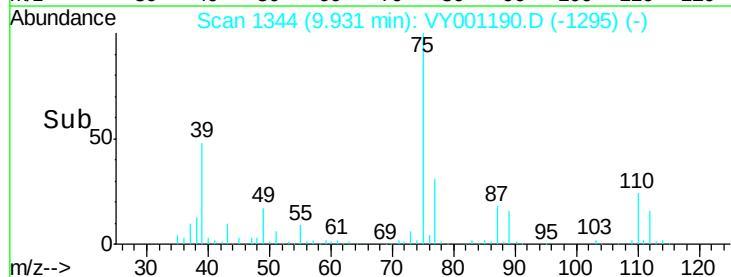
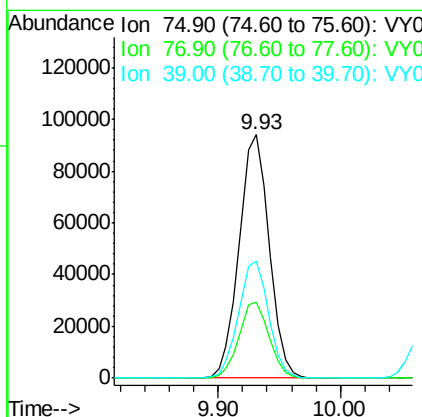
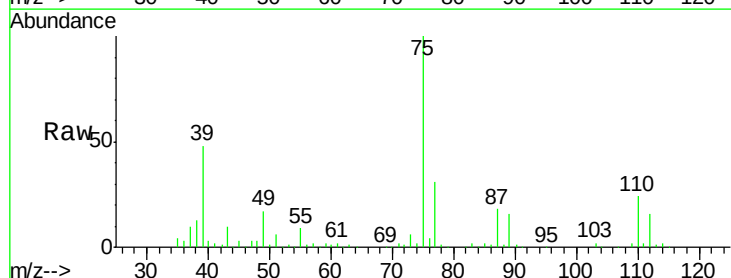
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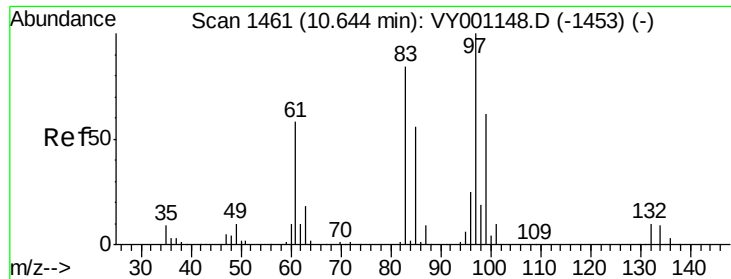
MMDadoda
 1/15/2020 9:30:16 AM



#54
 cis-1,3-Dichloropropene
 Concen: 51.036 ug/l
 RT: 9.93 min Scan# 1344
 Delta R.T. -0.00 min
 Lab File: VY001190.D
 Acq: 14 Jan 2020 09:32

Tgt Ion: 75 Resp: 160461
 Ion Ratio Lower Upper
 75 100
 77 31.4 25.3 37.9
 39 48.3 39.1 58.7





#55

1,1,2-Trichloroethane

Concen: 48.417 ug/l

RT: 10.64 min Scan# 1461

Delta R.T. -0.00 min

Lab File: VY001190.D

Acq: 14 Jan 2020 09:32

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 97 Resp: 73398

Ion Ratio Lower Upper

97 100

83 83.7 67.2 100.8

85 54.7 44.9 67.3

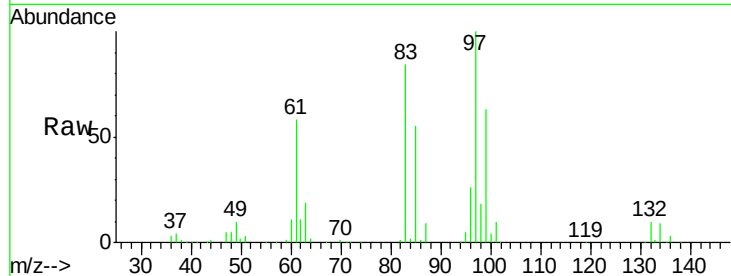
99 63.1 49.9 74.9

Manual Integrations

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MMDadoda

1/15/2020 9:30:16 AM

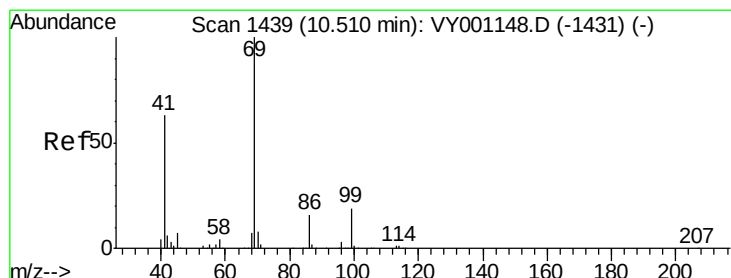
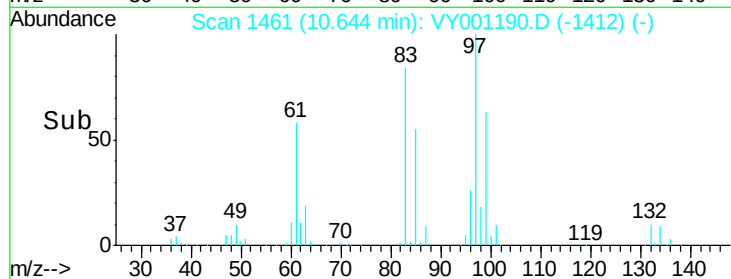
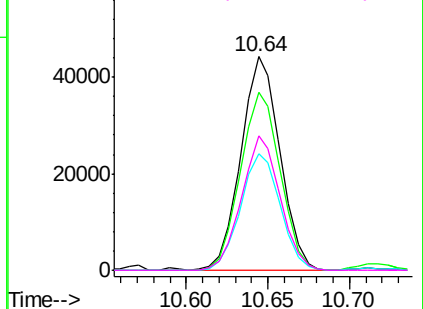


Abundance Ion 96.90 (96.60 to 97.60): VY0

Ion 82.90 (82.60 to 83.60): VY0

Ion 84.90 (84.60 to 85.60): VY0

Ion 98.90 (98.60 to 99.60): VY0



#56

Ethyl methacrylate

Concen: 45.656 ug/l

RT: 10.51 min Scan# 1439

Delta R.T. -0.00 min

Lab File: VY001190.D

Acq: 14 Jan 2020 09:32

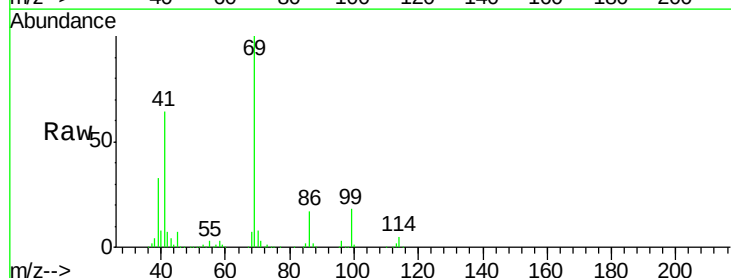
Tgt Ion: 69 Resp: 105871

Ion Ratio Lower Upper

69 100

41 64.5 51.4 77.2

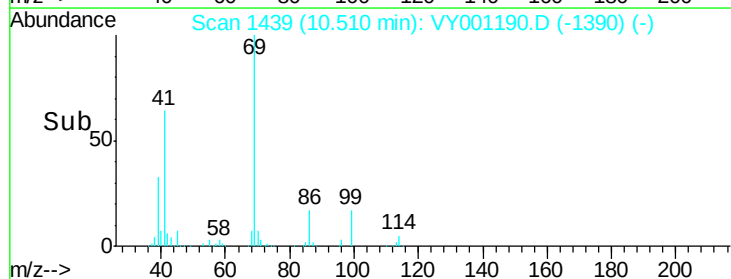
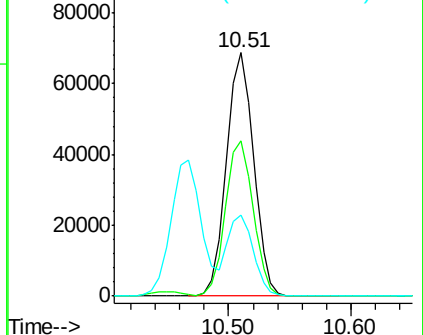
39 31.3 26.3 39.5

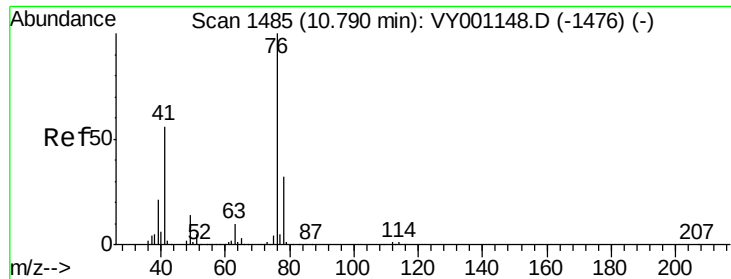


Abundance Ion 69.00 (68.70 to 69.70): VY0

Ion 41.00 (40.70 to 41.70): VY0

Ion 39.00 (38.70 to 39.70): VY0





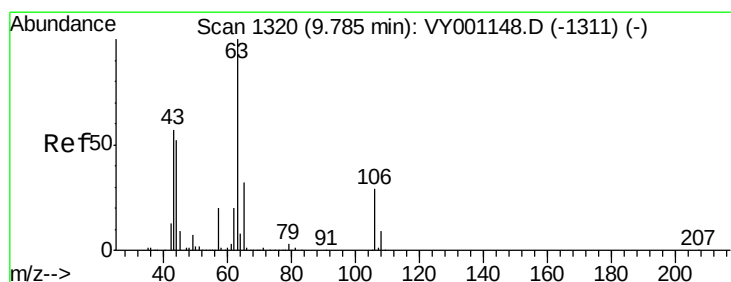
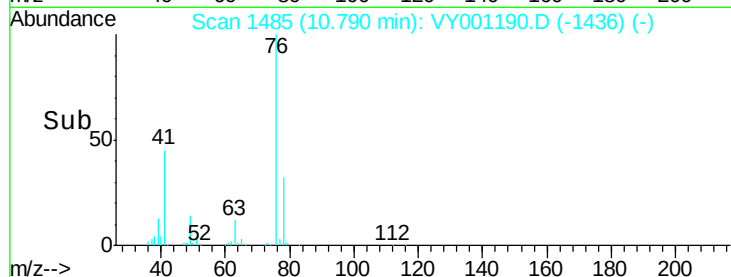
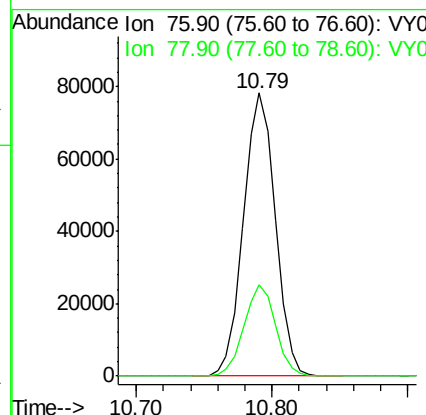
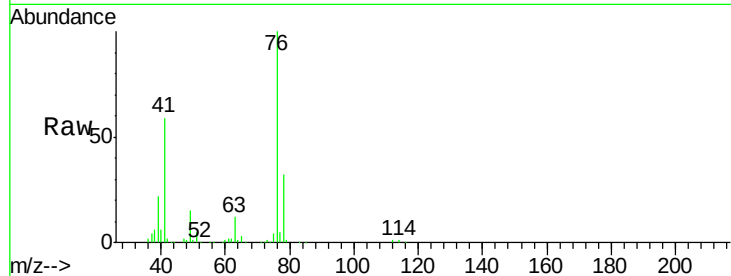
#57
 1,3-Dichloropropane
 Concen: 49.246 ug/l
 RT: 10.79 min Scan# 1485
 Delta R.T. -0.00 min
 Lab File: VY001190.D
 Acq: 14 Jan 2020 09:32

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.9	26.1	39.1

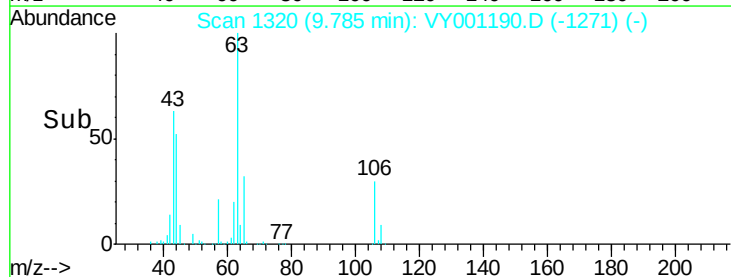
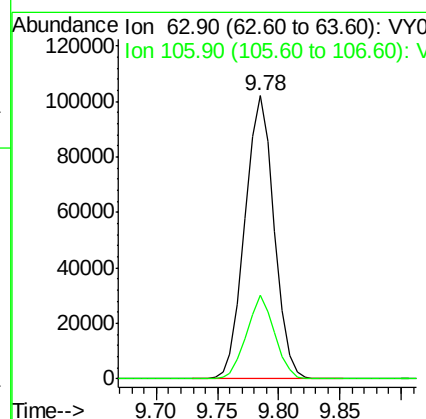
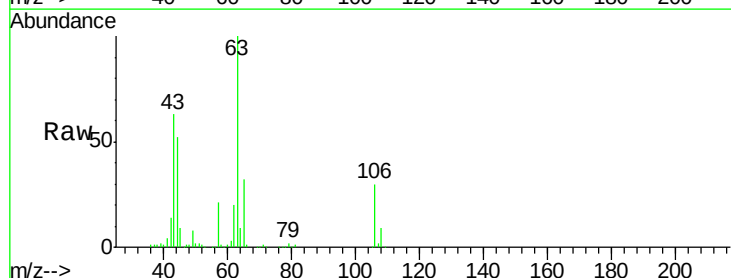
Manual Integrations
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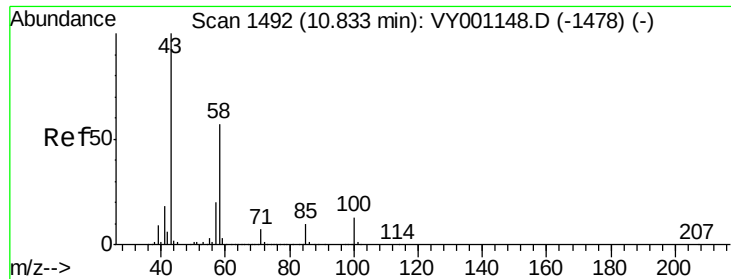
MMDadoda
 1/15/2020 9:30:16 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 207.665 ug/l
 RT: 9.78 min Scan# 1320
 Delta R.T. -0.00 min
 Lab File: VY001190.D
 Acq: 14 Jan 2020 09:32

Tgt Ion	Ratio	Lower	Upper
63	100		
106	28.3	23.0	34.6





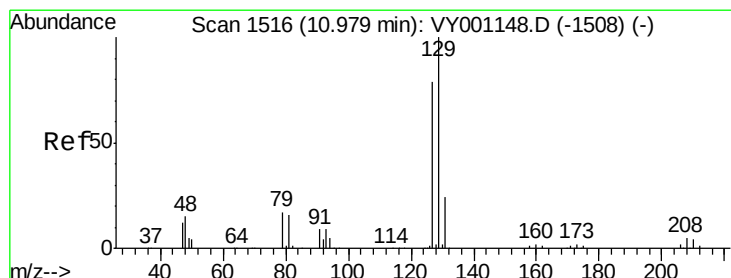
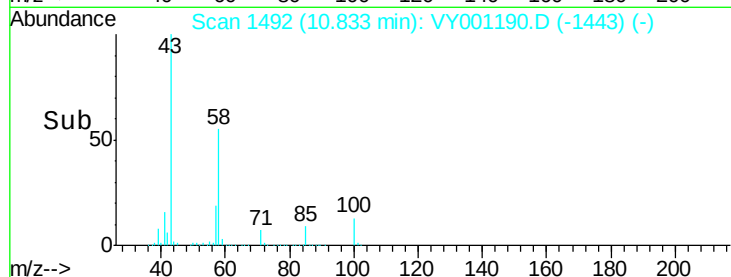
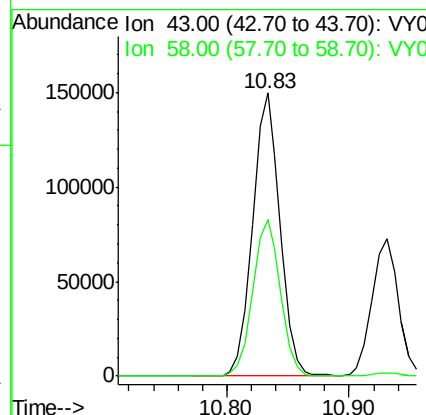
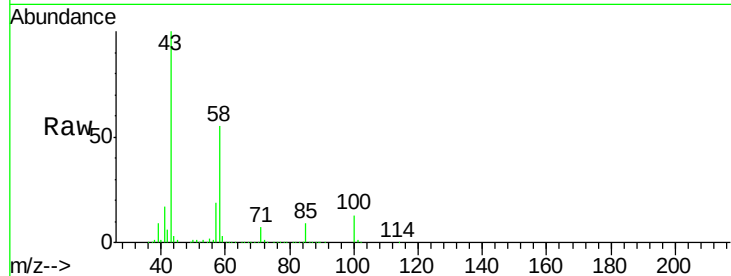
#59
2-Hexanone
Concen: 224.234 ug/l
RT: 10.83 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VY001190.D
Acq: 14 Jan 2020 09:32

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	43	Resp	232395
Ion Ratio	100	Lower	Upper
43	100		
58	55.7	28.4	85.2

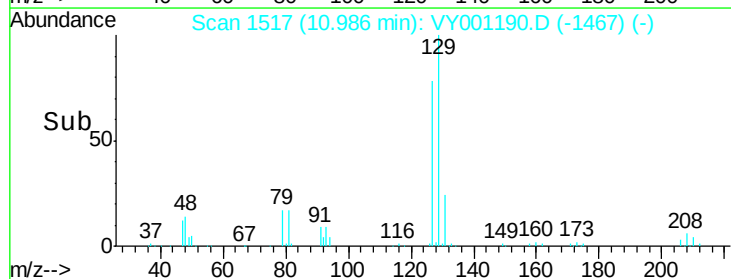
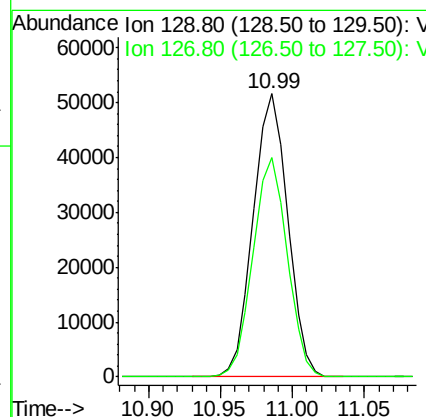
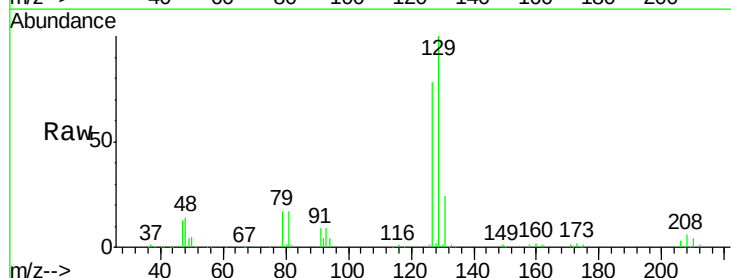
Manual Integrations
APPROVED

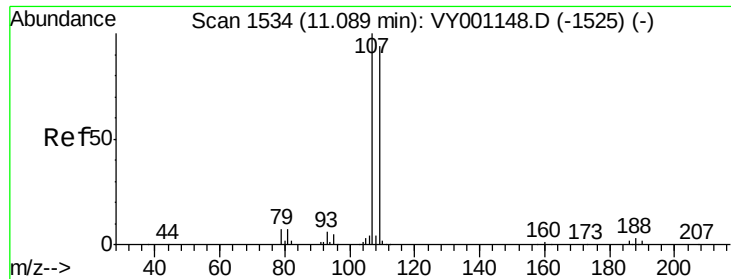
MMDadoda
1/15/2020 9:30:16 AM



#60
Dibromochloromethane
Concen: 49.031 ug/l
RT: 10.99 min Scan# 1517
Delta R.T. 0.01 min
Lab File: VY001190.D
Acq: 14 Jan 2020 09:32

Tgt Ion	129	Resp	85579
Ion Ratio	100	Lower	Upper
129	100		
127	77.1	38.9	116.7





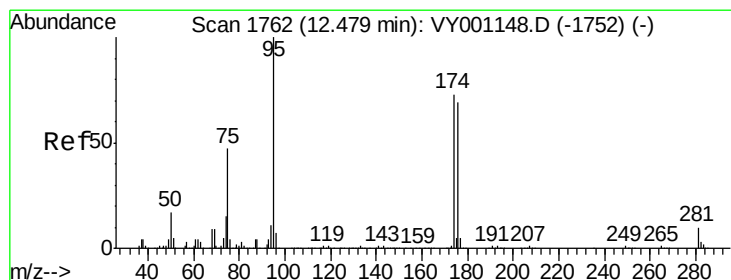
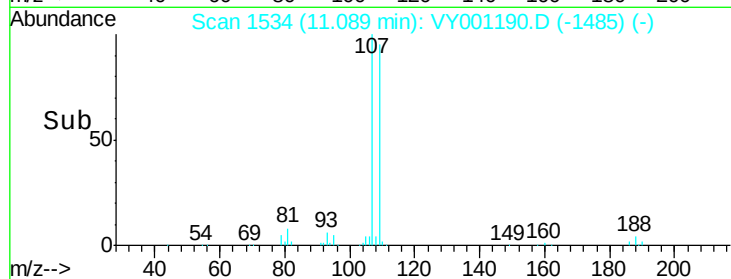
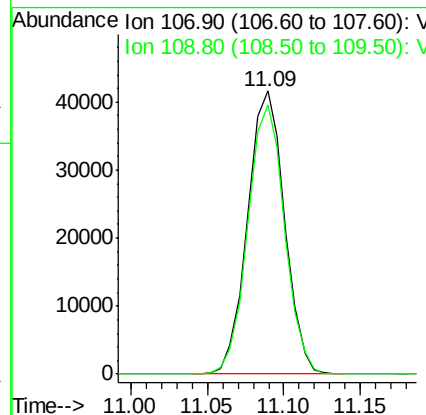
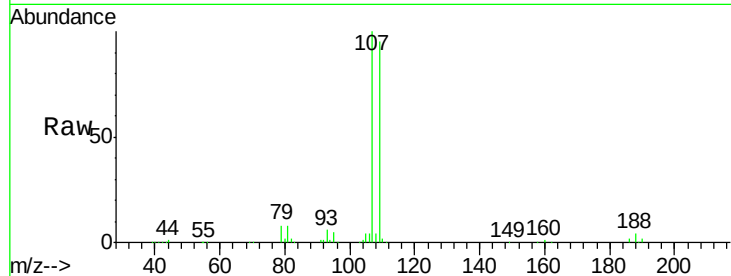
#61
 1,2-Dibromoethane
 Concen: 47.140 ug/l
 RT: 11.09 min Scan# 1534
 Delta R.T. -0.00 min
 Lab File: VY001190.D
 Acq: 14 Jan 2020 09:32

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion: 107 Resp: 69778
 Ion Ratio Lower Upper
 107 100
 109 94.5 75.4 113.0

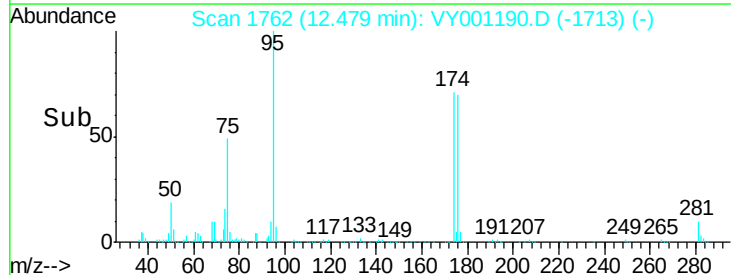
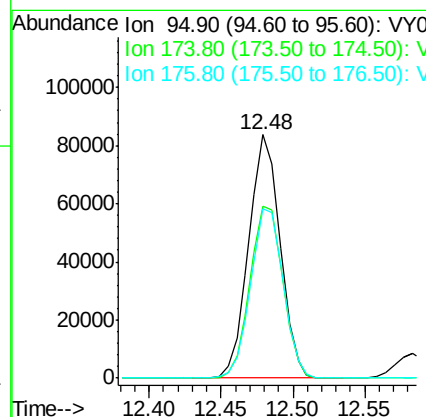
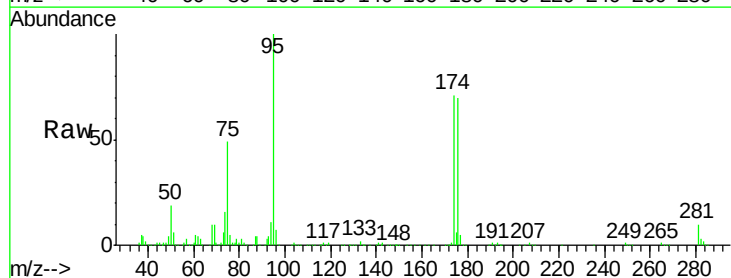
Manual Integrations
 APPROVED

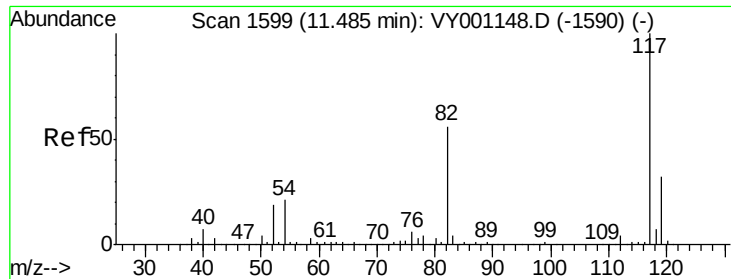
MMDadoda
 1/15/2020 9:30:16 AM



#62
 4-Bromofluorobenzene
 Concen: 48.070 ug/l
 RT: 12.48 min Scan# 1762
 Delta R.T. -0.00 min
 Lab File: VY001190.D
 Acq: 14 Jan 2020 09:32

Tgt Ion: 95 Resp: 126328
 Ion Ratio Lower Upper
 95 100
 174 74.0 0.0 143.2
 176 72.0 0.0 136.0





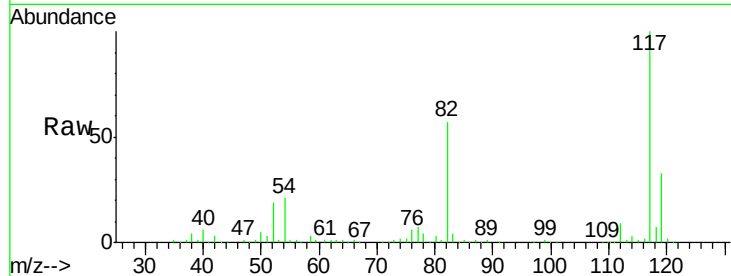
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. 0.01 min
Lab File: VY001190.D
Acq: 14 Jan 2020 09:32

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	57.1	44.9	67.3
119	32.7	25.7	38.5

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MMDadoda
1/15/2020 9:30:16 AM

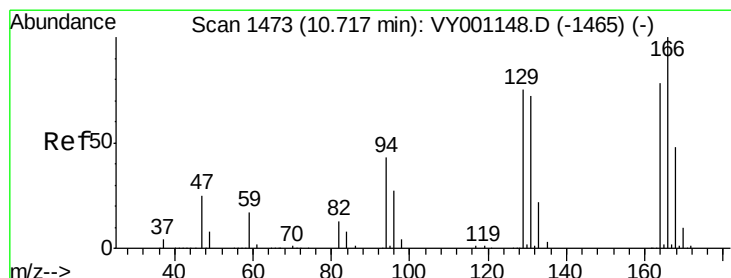
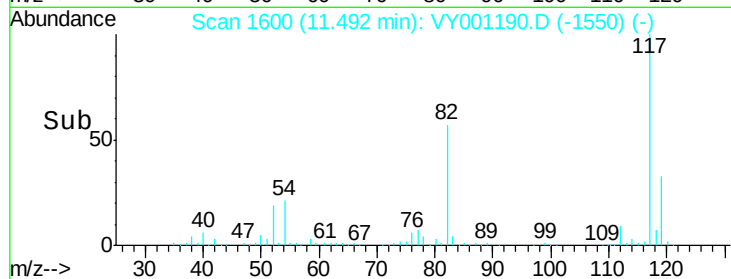
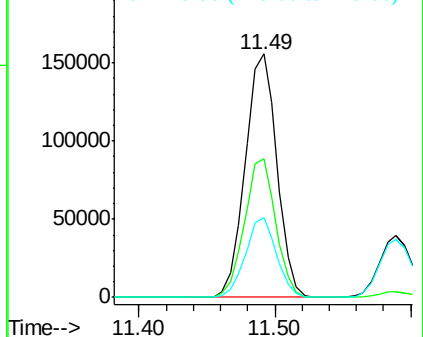


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 49.417 ug/l
RT: 10.72 min Scan# 1473
Delta R.T. -0.00 min
Lab File: VY001190.D
Acq: 14 Jan 2020 09:32

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.6	102.3	153.5
129	99.4	76.2	114.4
131	92.6	73.9	110.9

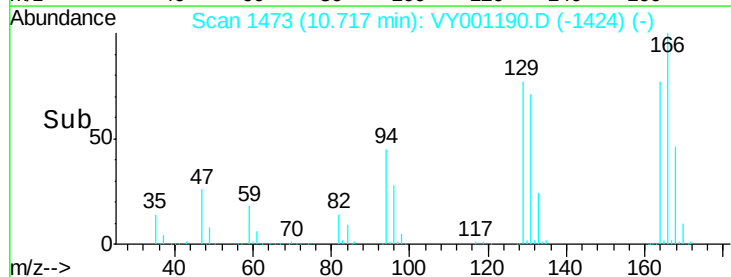
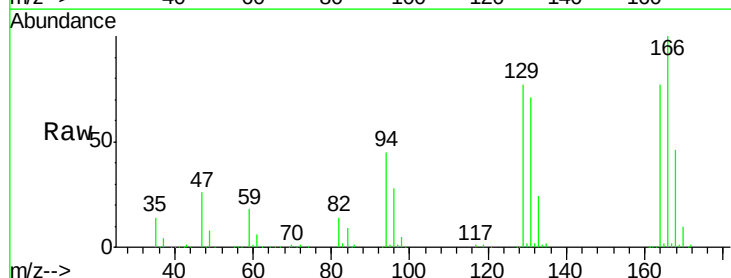
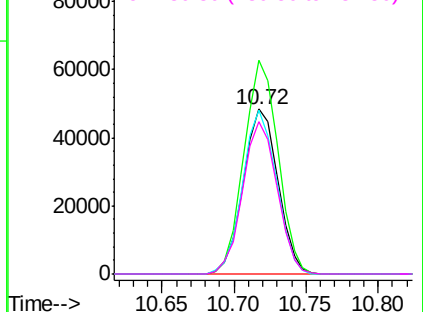
Abundance

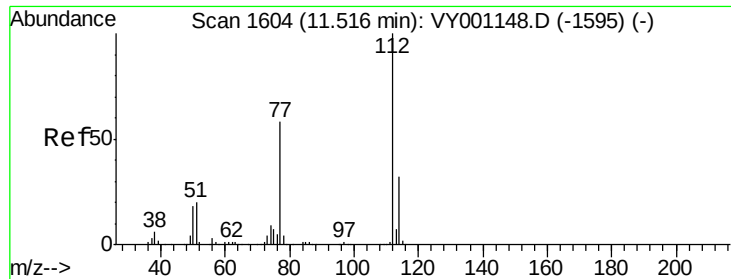
Ion 163.80 (163.50 to 164.50): V

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





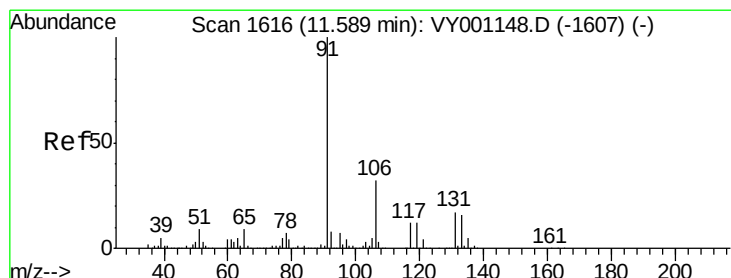
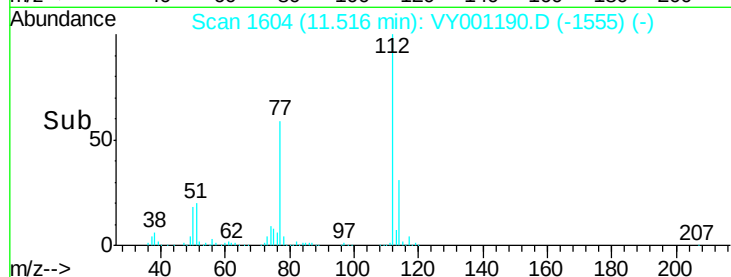
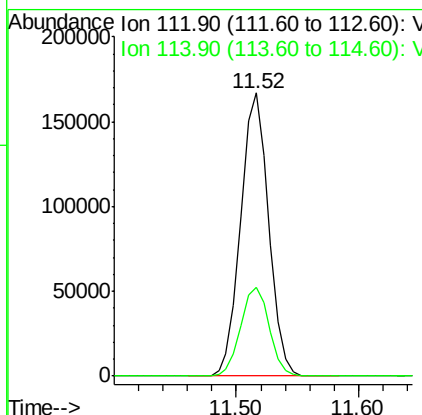
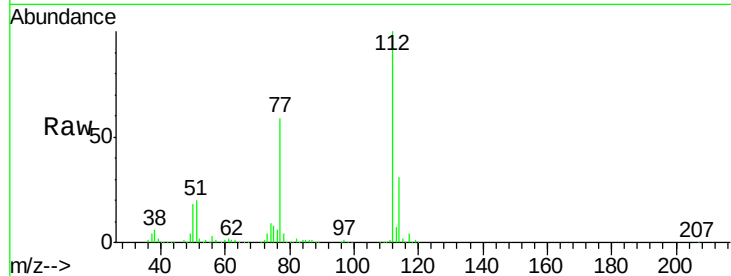
#65
Chlorobenzene
Concen: 52.156 ug/l
RT: 11.52 min Scan# 1604
Delta R.T. -0.00 min
Lab File: VY001190.D
Acq: 14 Jan 2020 09:32

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.5	25.9	38.9

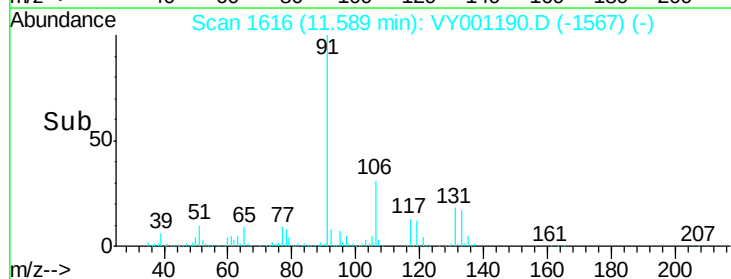
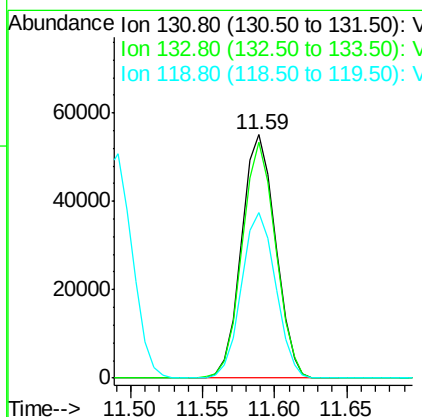
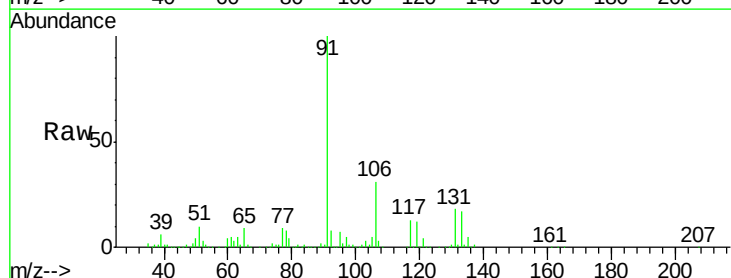
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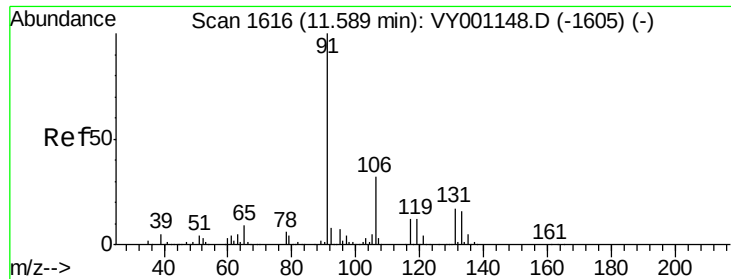
MMDadoda
1/15/2020 9:30:16 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 51.705 ug/l
RT: 11.59 min Scan# 1616
Delta R.T. -0.00 min
Lab File: VY001190.D
Acq: 14 Jan 2020 09:32

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.3	47.3	142.0
119	67.9	33.6	100.8





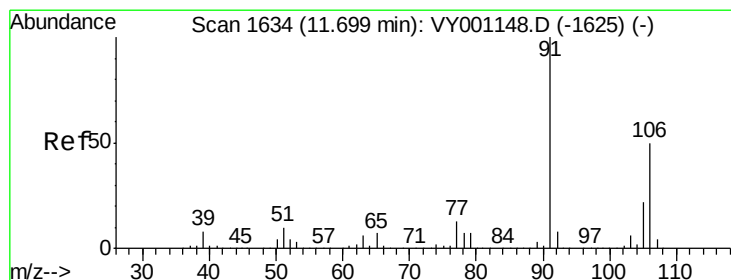
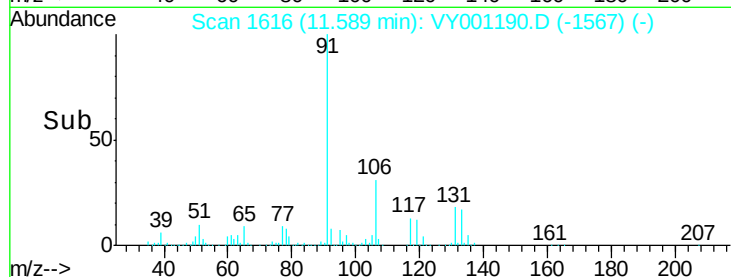
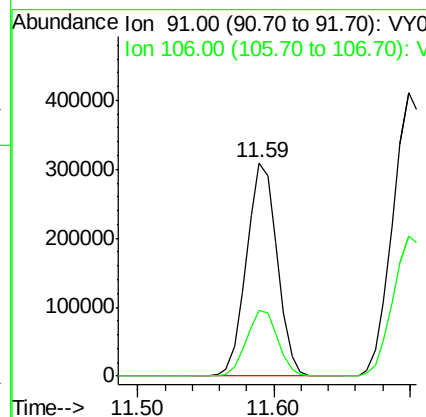
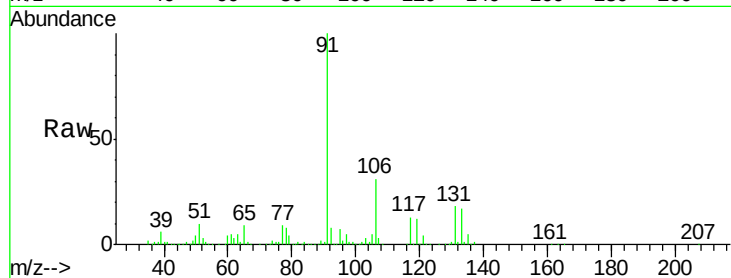
#67
Ethyl Benzene
Concen: 52.534 ug/l
RT: 11.59 min Scan# 1616
Delta R.T. -0.00 min
Lab File: VY001190.D
Acq: 14 Jan 2020 09:32

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 487375
Ion Ratio Lower Upper
91 100
106 31.2 25.3 37.9

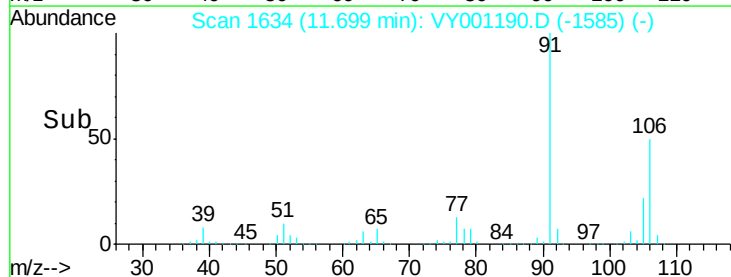
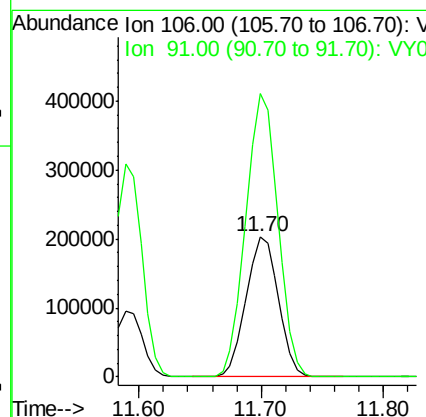
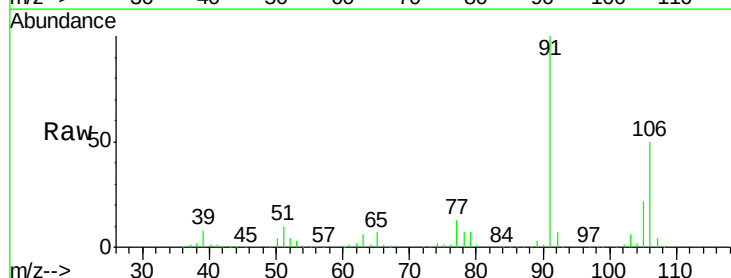
Manual Integrations
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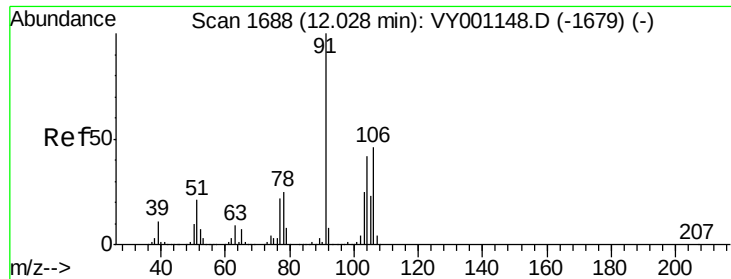
MMDadoda
1/15/2020 9:30:16 AM



#68
m/p-Xylenes
Concen: 106.570 ug/l
RT: 11.70 min Scan# 1634
Delta R.T. -0.00 min
Lab File: VY001190.D
Acq: 14 Jan 2020 09:32

Tgt Ion: 106 Resp: 372966
Ion Ratio Lower Upper
106 100
91 201.0 161.4 242.2





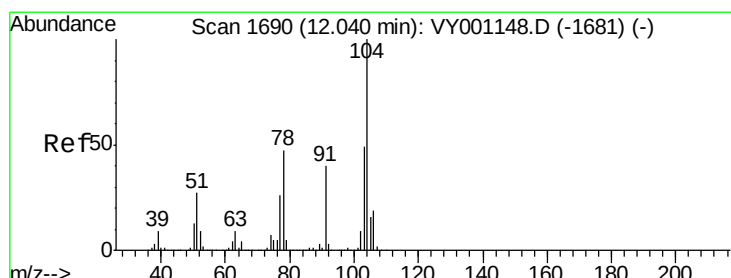
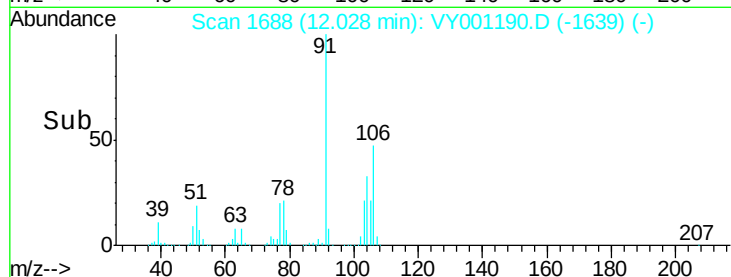
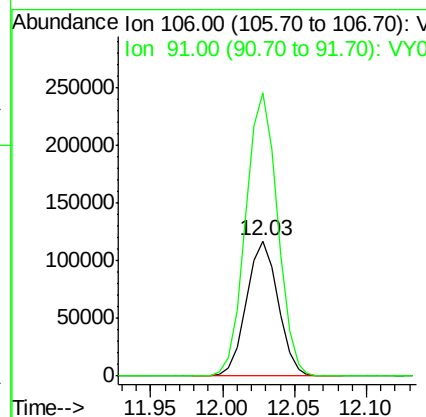
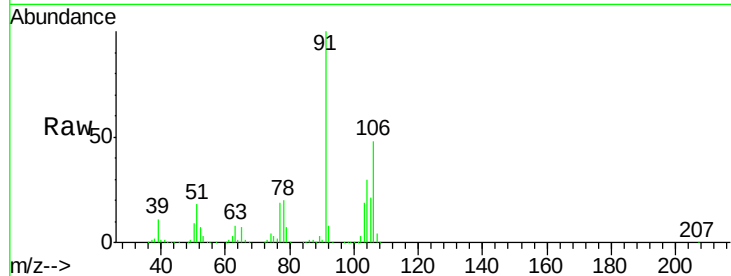
#69
o-Xylene
Concen: 52.679 ug/l
RT: 12.03 min Scan# 1688
Delta R.T. -0.00 min
Lab File: VY001190.D
Acq: 14 Jan 2020 09:32

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	212.0	106.3	318.8	

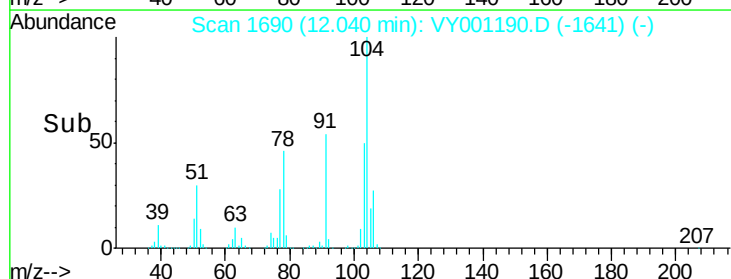
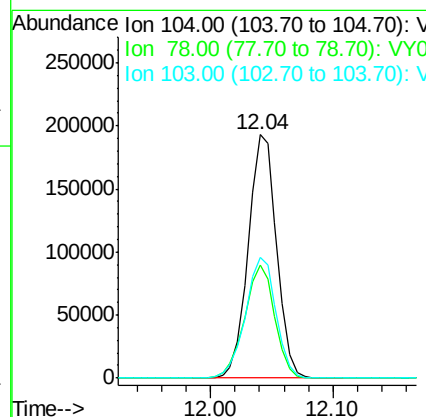
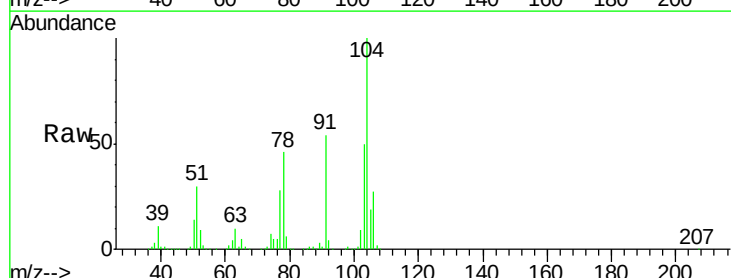
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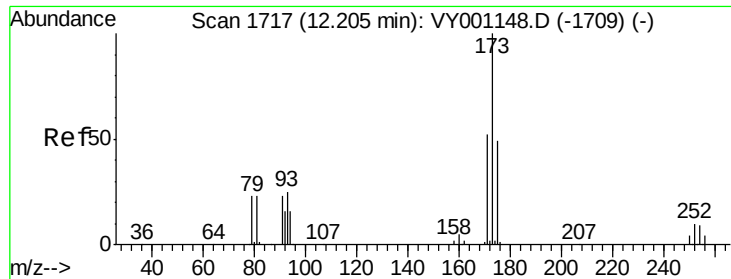
MMDadoda
1/15/2020 9:30:16 AM



#70
Styrene
Concen: 52.626 ug/l
RT: 12.04 min Scan# 1690
Delta R.T. -0.00 min
Lab File: VY001190.D
Acq: 14 Jan 2020 09:32

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	49.2	40.5	60.7	
103	53.5	42.4	63.6	





#71

Bromoform

Concen: 47.365 ug/l

RT: 12.20 min Scan# 1717

Delta R.T. -0.00 min

Lab File: VY001190.D

Acq: 14 Jan 2020 09:32

Instrument :

MSVOA_Y

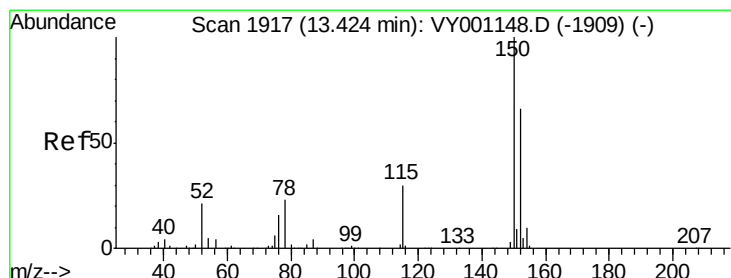
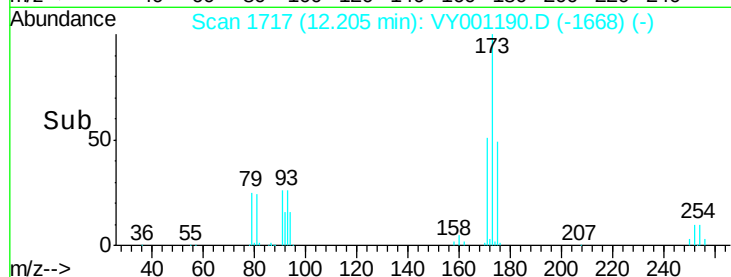
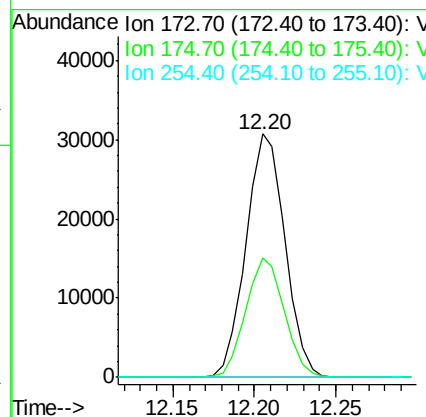
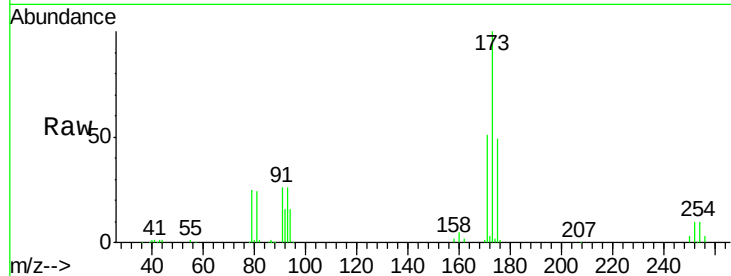
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.3	24.1	72.2
254	0.0	0.1	0.1#

Manual Integrations
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1/15/2020 9:30:16 AM



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

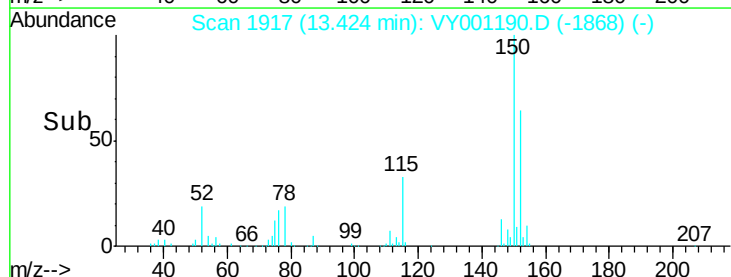
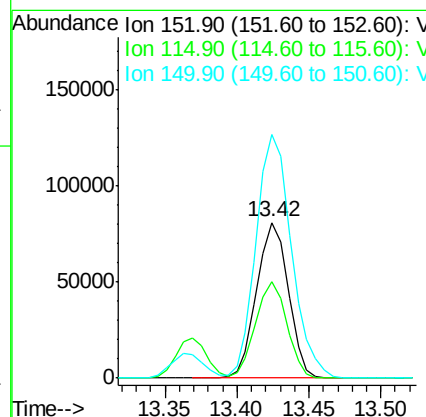
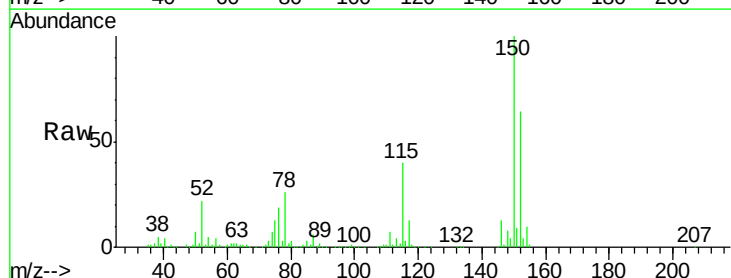
RT: 13.42 min Scan# 1917

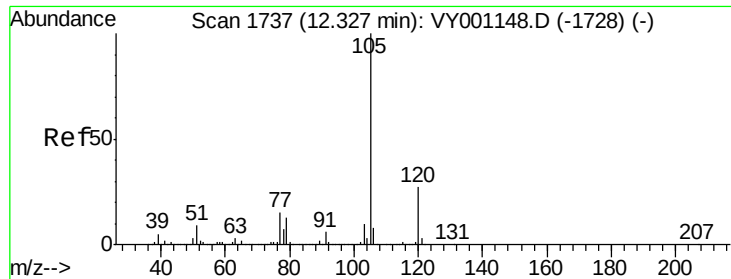
Delta R.T. -0.00 min

Lab File: VY001190.D

Acq: 14 Jan 2020 09:32

Tgt Ion	Ratio	Lower	Upper
152	100		
115	61.3	30.9	92.5
150	175.2	0.0	346.8





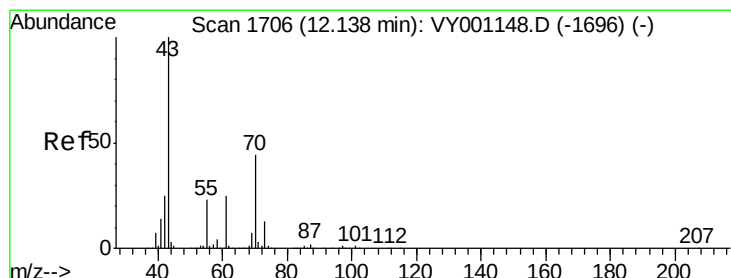
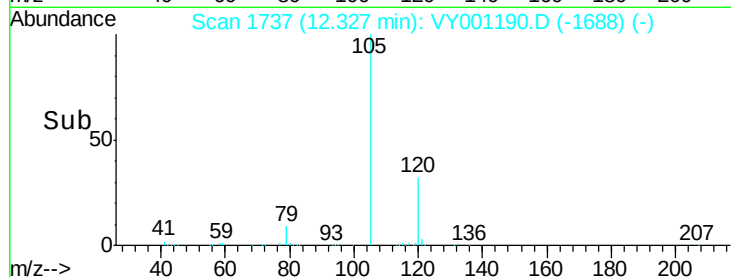
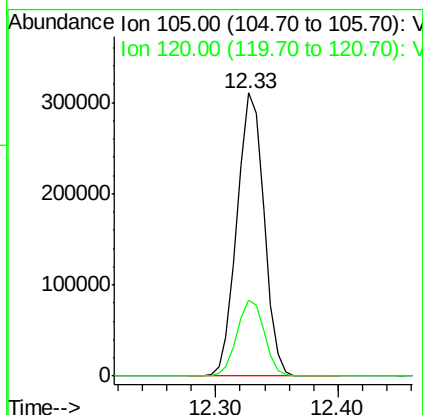
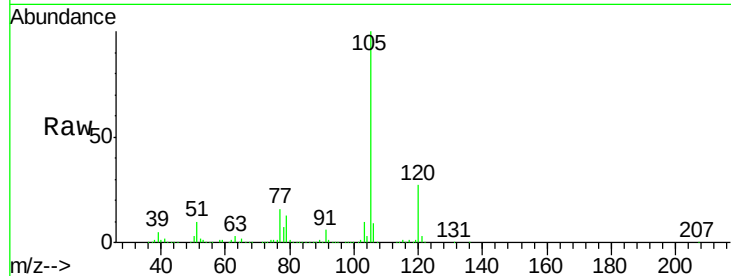
#73
Isopropylbenzene
Concen: 51.186 ug/l
RT: 12.33 min Scan# 1737
Delta R.T. -0.00 min
Lab File: VY001190.D
Acq: 14 Jan 2020 09:32

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
105	100		
120	27.1	13.4	40.2

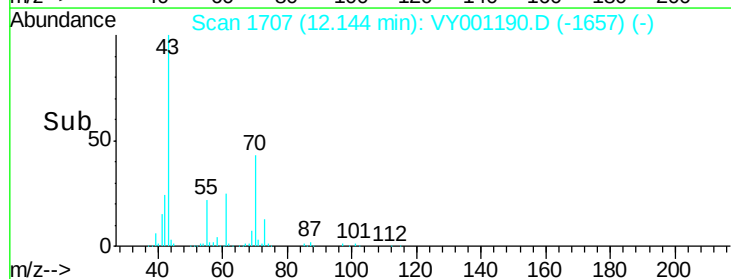
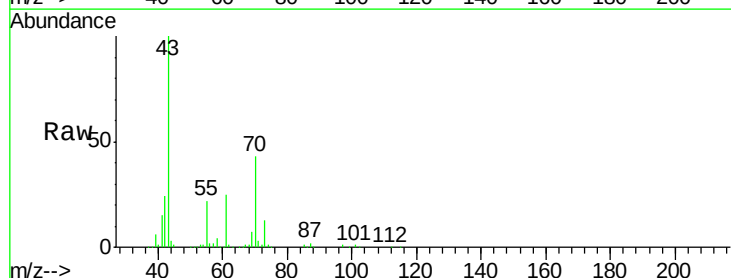
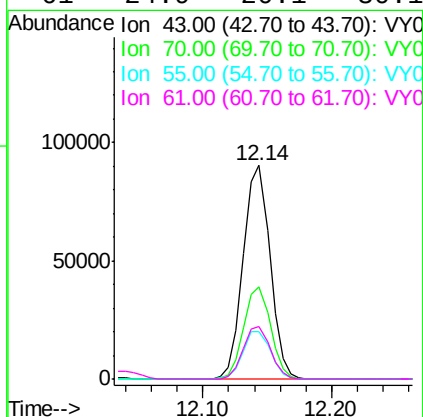
Manual Integrations
APPROVED

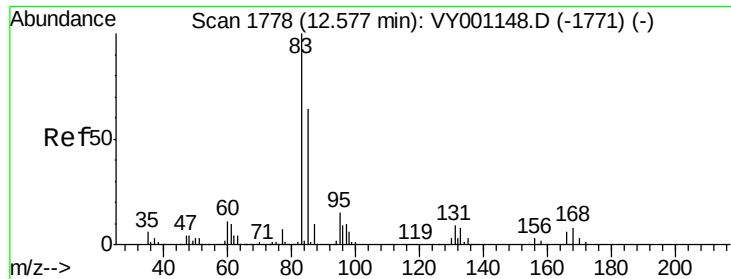
MMDadoda
1/15/2020 9:30:16 AM



#74
N-ethyl acetate
Concen: 44.969 ug/l
RT: 12.14 min Scan# 1707
Delta R.T. 0.01 min
Lab File: VY001190.D
Acq: 14 Jan 2020 09:32

Tgt Ion	Ratio	Lower	Upper
43	100		
70	43.3	35.0	52.6
55	23.3	18.4	27.6
61	24.9	20.1	30.1





#75

1,1,2,2-Tetrachloroethane

Concen: 44.250 ug/l

RT: 12.58 min Scan# 1779

Delta R.T. 0.01 min

Lab File: VY001190.D

Acq: 14 Jan 2020 09:32

Instrument :

MSVOA_Y

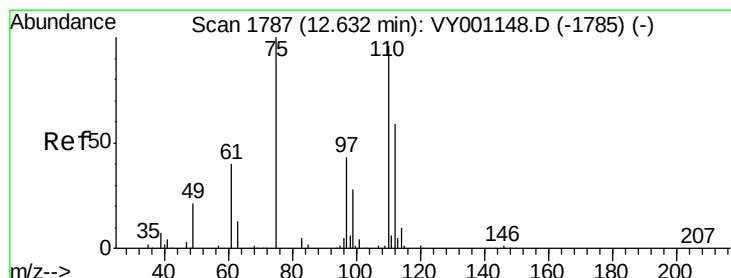
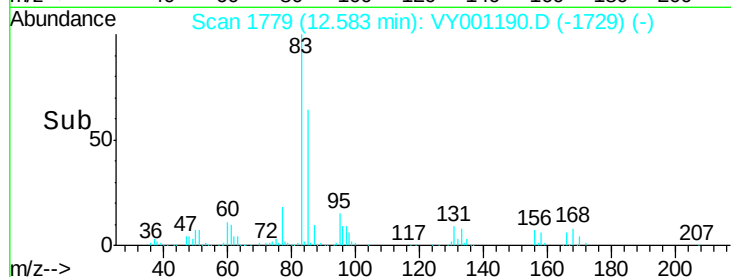
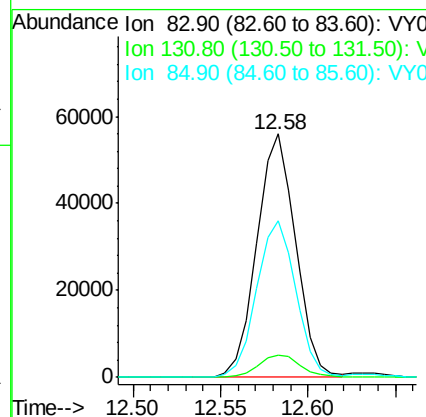
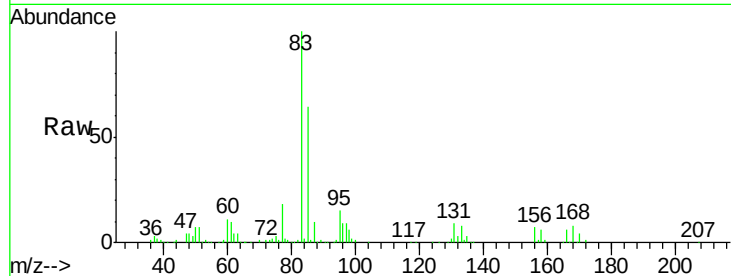
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	86143
Ion Ratio	Lower	Upper	
83	100		
131	10.0	5.1	15.3
85	64.9	32.2	96.6

Manual Integrations
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MMDadoda
1/15/2020 9:30:16 AM



#76

1,2,3-Trichloropropane

Concen: 45.490 ug/l m

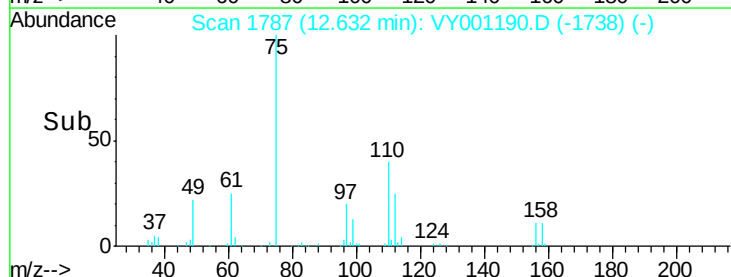
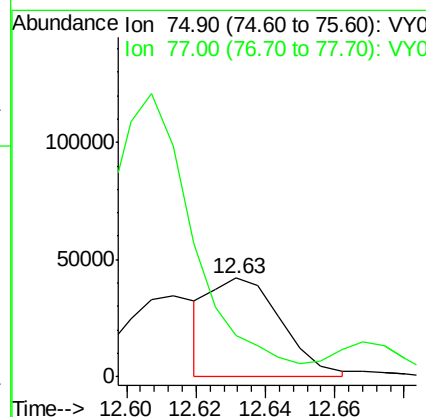
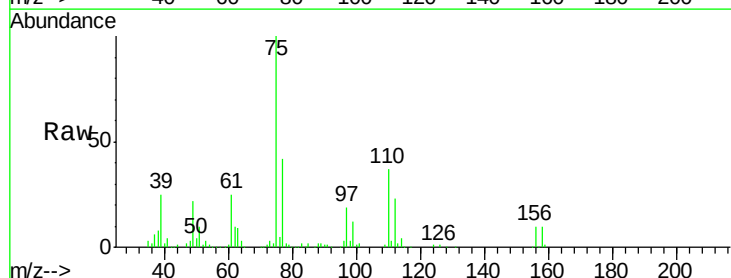
RT: 12.63 min Scan# 1787

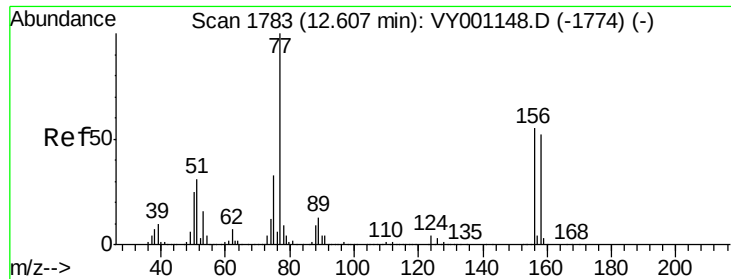
Delta R.T. -0.00 min

Lab File: VY001190.D

Acq: 14 Jan 2020 09:32

Tgt Ion:	75	Resp:	59936
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 51.278 ug/l

RT: 12.61 min Scan# 1783

Delta R.T. -0.00 min

Lab File: VY001190.D

Acq: 14 Jan 2020 09:32

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion:156 Resp: 104838

Ion Ratio Lower Upper

156 100

77 200.7 106.7 320.1

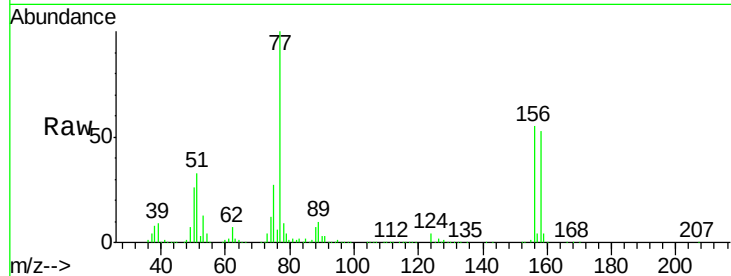
158 96.0 48.3 144.8

Manual Integrations

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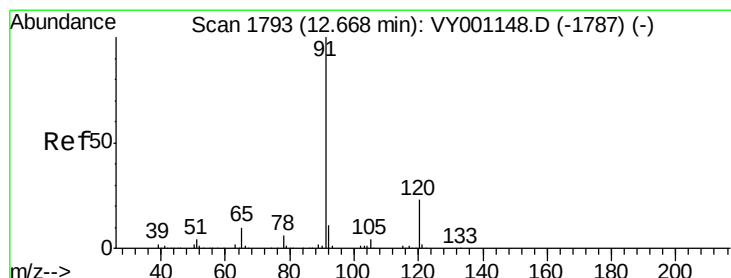
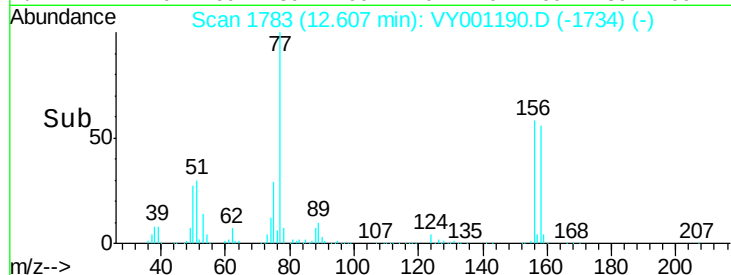
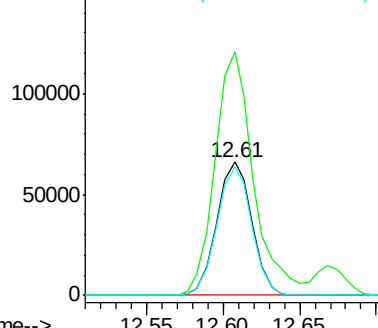
1/15/2020 9:30:16 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VY0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 51.592 ug/l

RT: 12.67 min Scan# 1793

Delta R.T. -0.00 min

Lab File: VY001190.D

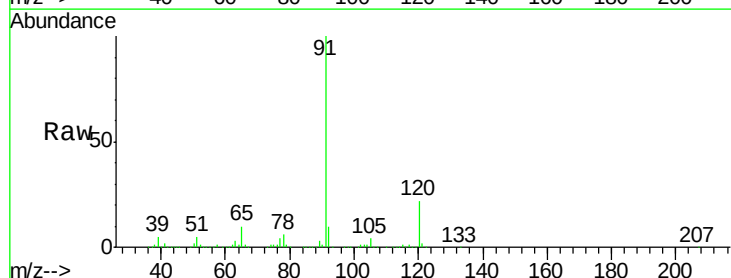
Acq: 14 Jan 2020 09:32

Tgt Ion: 91 Resp: 574201

Ion Ratio Lower Upper

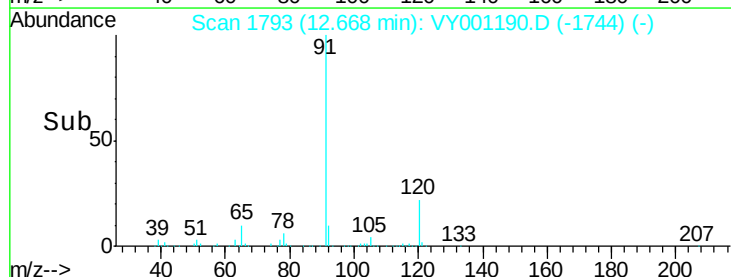
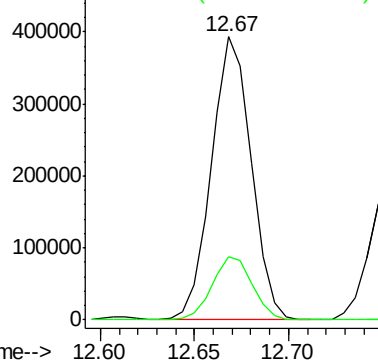
91 100

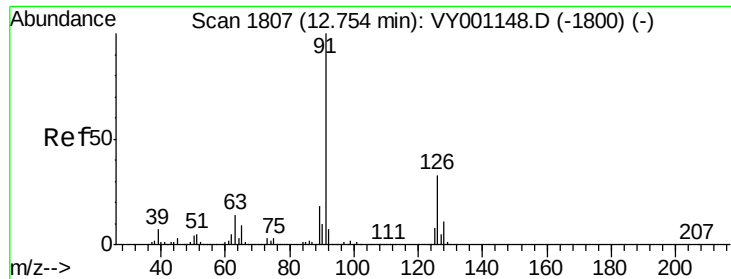
120 22.8 11.5 34.4



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 50.938 ug/l

RT: 12.75 min Scan# 1807

Delta R.T. -0.00 min

Lab File: VY001190.D

Acq: 14 Jan 2020 09:32

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 325582

Ion Ratio Lower Upper

91 100

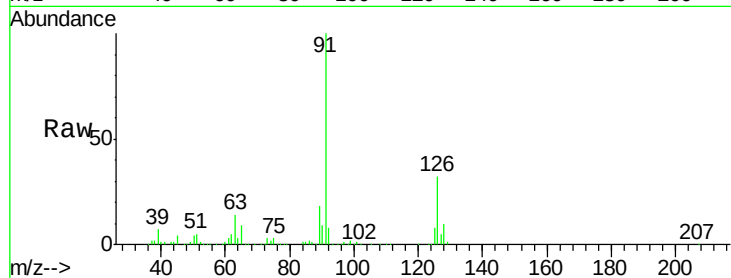
126 33.3 16.4 49.4

Manual Integrations

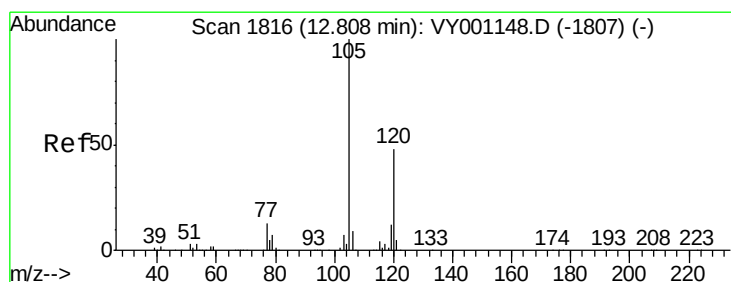
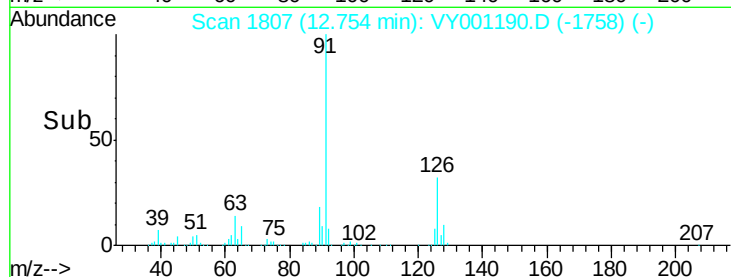
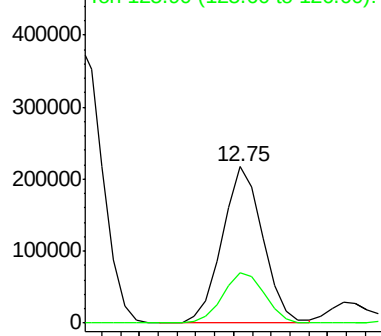
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1/15/2020 9:30:16 AM



Abundance Ion 91.00 (90.70 to 91.70): VY001190.D (-1758) (-)



#80

1,3,5-Trimethylbenzene

Concen: 52.062 ug/l

RT: 12.81 min Scan# 1816

Delta R.T. -0.00 min

Lab File: VY001190.D

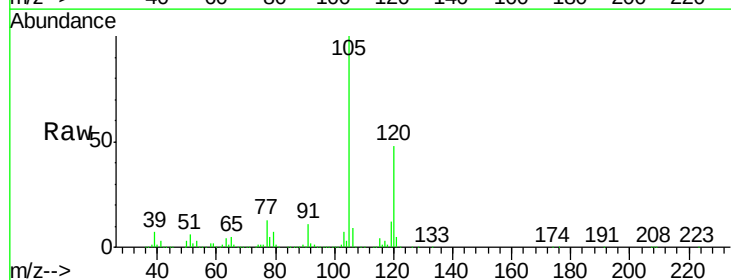
Acq: 14 Jan 2020 09:32

Tgt Ion: 105 Resp: 401930

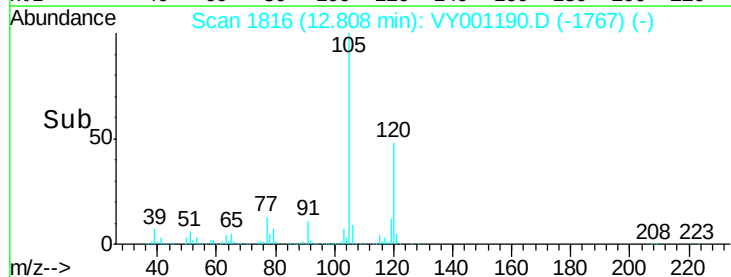
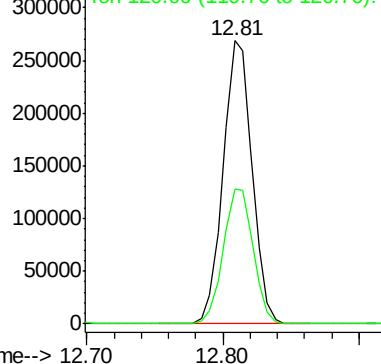
Ion Ratio Lower Upper

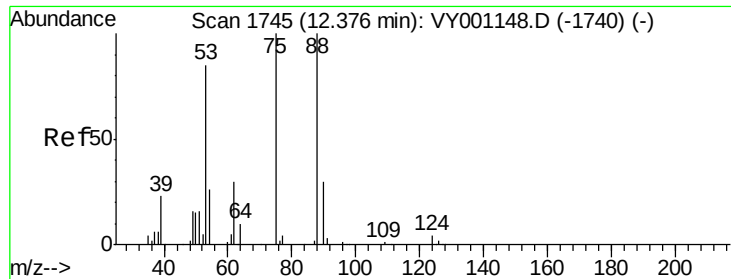
105 100

120 49.1 24.2 72.6



Abundance Ion 105.00 (104.70 to 105.70): VY001190.D (-1767) (-)





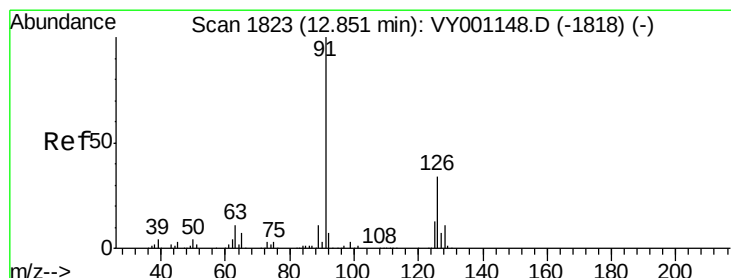
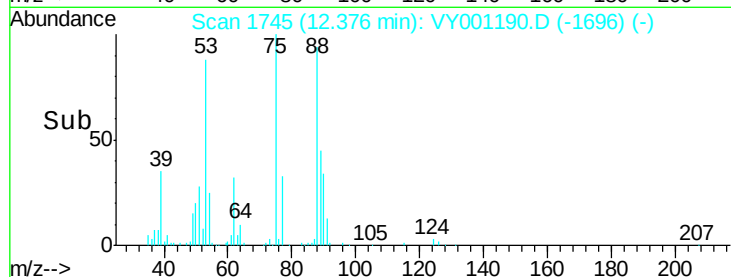
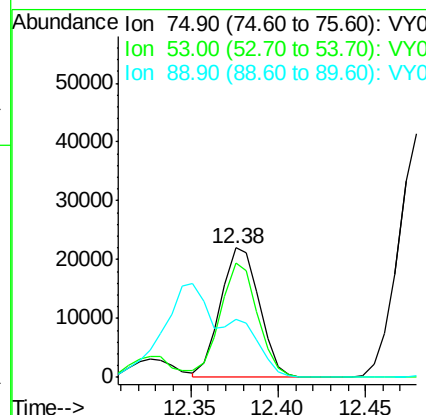
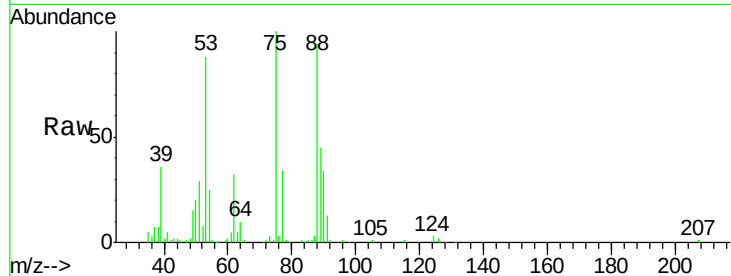
#81
trans-1,4-Dichloro-2-butene
Concen: 43.957 ug/l
RT: 12.38 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VY001190.D
Acq: 14 Jan 2020 09:32

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	84.9	69.4	104.2
89	0.0	0.0	0.0

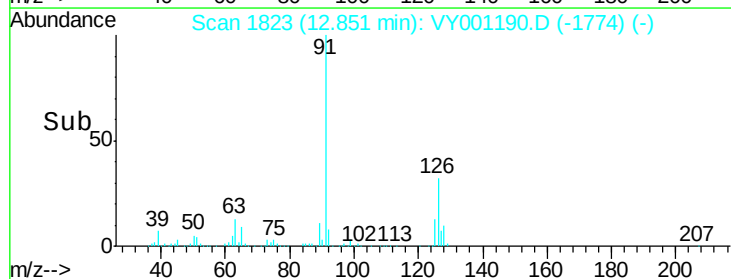
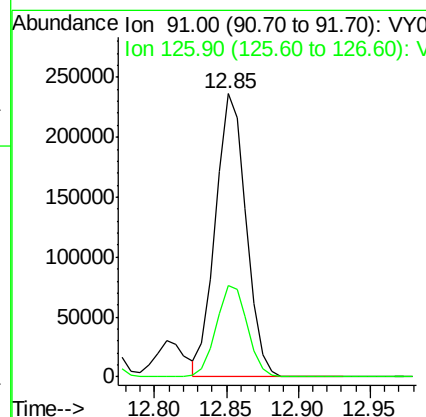
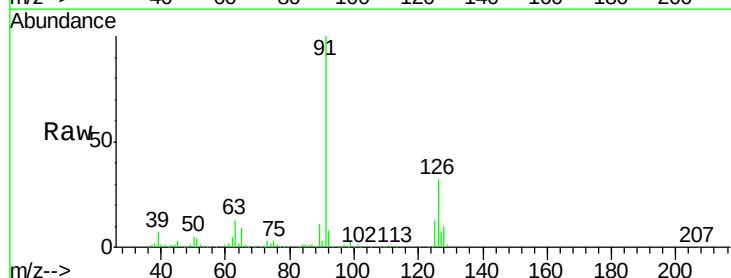
Manual Integrations
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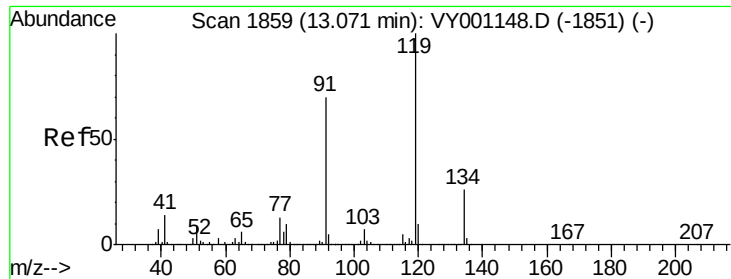
MMDadoda
1/15/2020 9:30:16 AM



#82
4-Chlorotoluene
Concen: 51.469 ug/l
RT: 12.85 min Scan# 1823
Delta R.T. -0.00 min
Lab File: VY001190.D
Acq: 14 Jan 2020 09:32

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.9	16.3	48.8





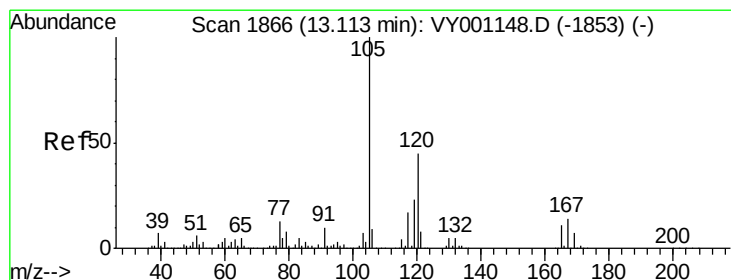
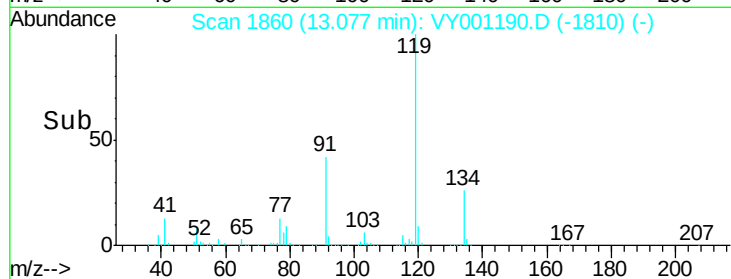
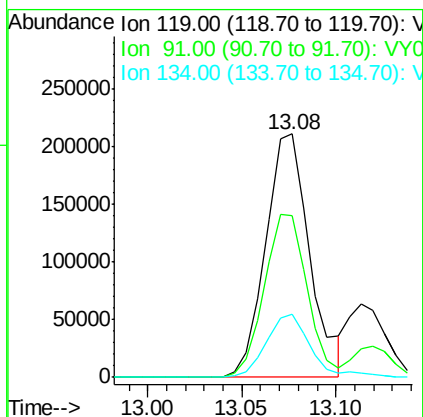
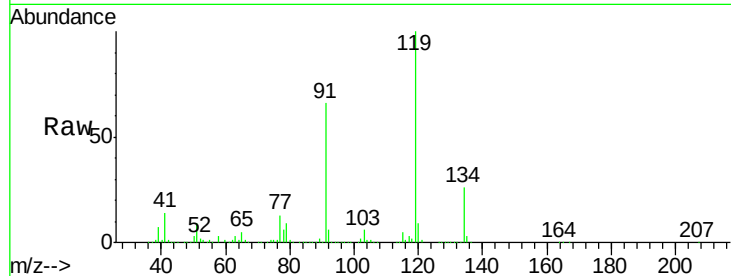
#83
 tert-Butylbenzene
 Concen: 52.871 ug/l
 RT: 13.08 min Scan# 1860
 Delta R.T. 0.01 min
 Lab File: VY001190.D
 Acq: 14 Jan 2020 09:32

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	65.3	33.9	101.7
134	26.5	13.5	40.4

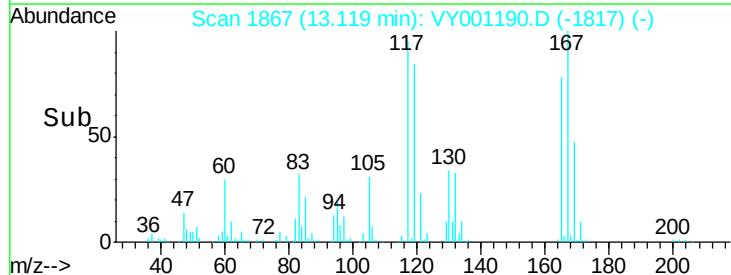
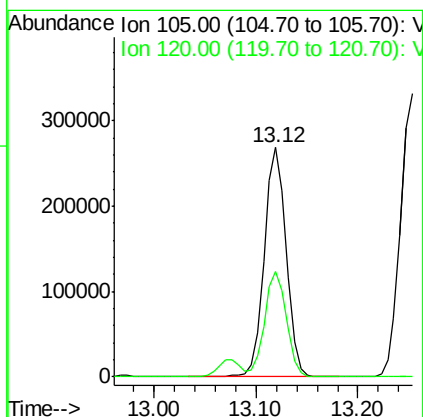
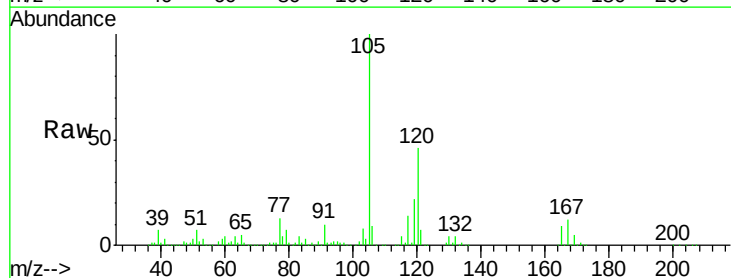
Manual Integrations
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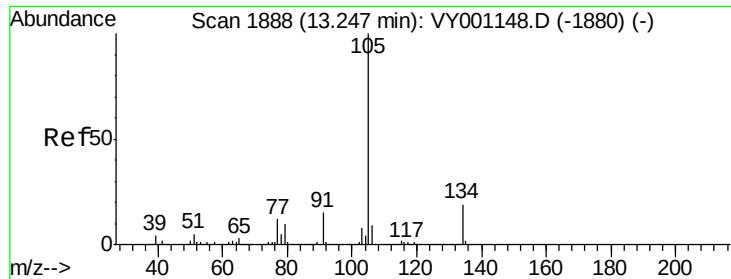
MMDadoda
 1/15/2020 9:30:16 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 52.286 ug/l
 RT: 13.12 min Scan# 1867
 Delta R.T. 0.01 min
 Lab File: VY001190.D
 Acq: 14 Jan 2020 09:32

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.0	22.8	68.3





#85

sec-Butylbenzene

Concen: 52.189 ug/l

RT: 13.25 min Scan# 1889

Delta R.T. 0.01 min

Lab File: VY001190.D

Acq: 14 Jan 2020 09:32

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 487046

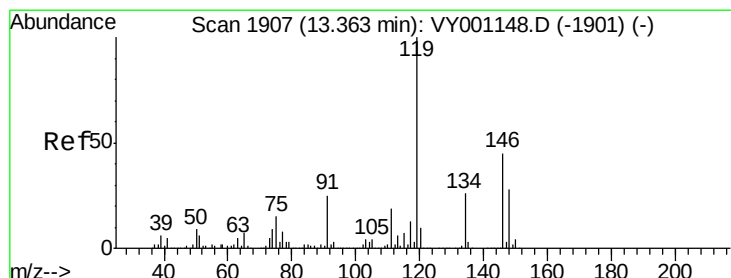
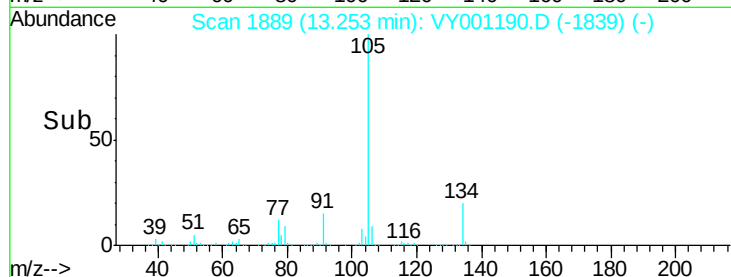
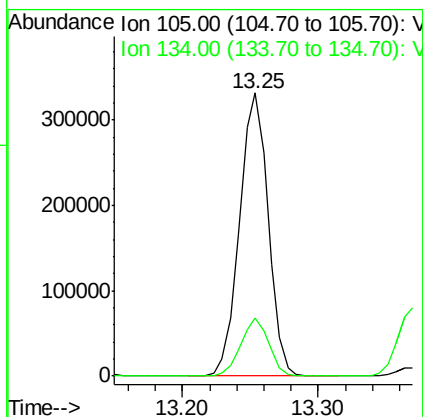
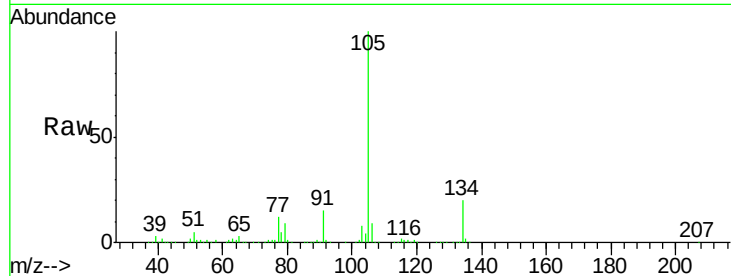
Ion Ratio Lower Upper

105 100

134 20.1 9.8 29.5

Manual Integrations
APPROVED

MMDadoda
1/15/2020 9:30:16 AM



#86

p-Isopropyltoluene

Concen: 53.481 ug/l

RT: 13.37 min Scan# 1908

Delta R.T. 0.01 min

Lab File: VY001190.D

Acq: 14 Jan 2020 09:32

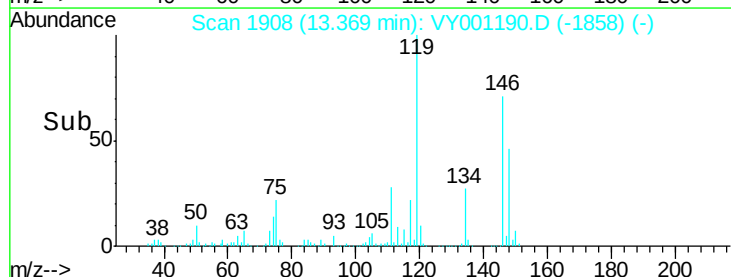
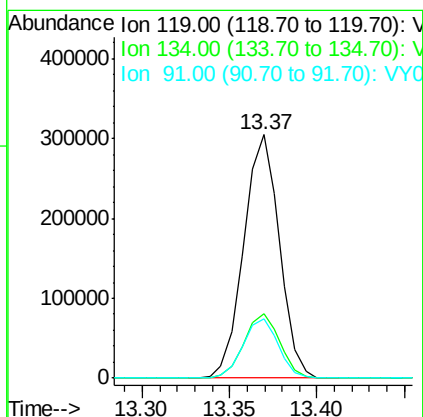
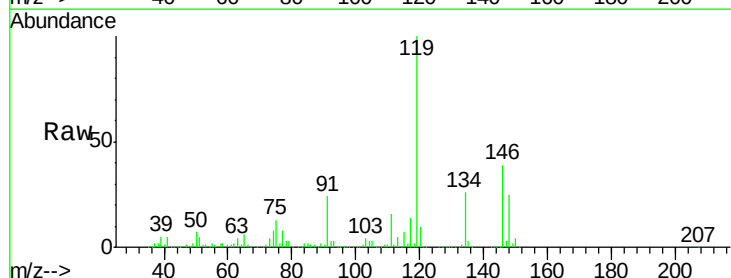
Tgt Ion:119 Resp: 433342

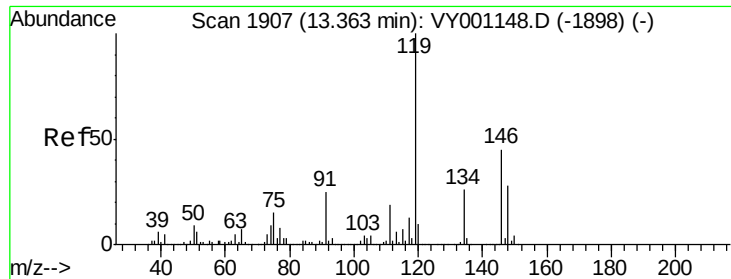
Ion Ratio Lower Upper

119 100

134 26.6 13.4 40.2

91 24.2 12.4 37.2





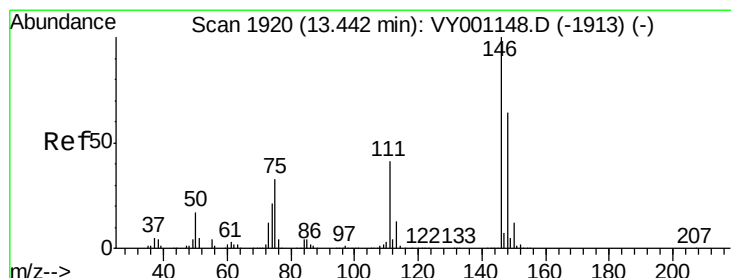
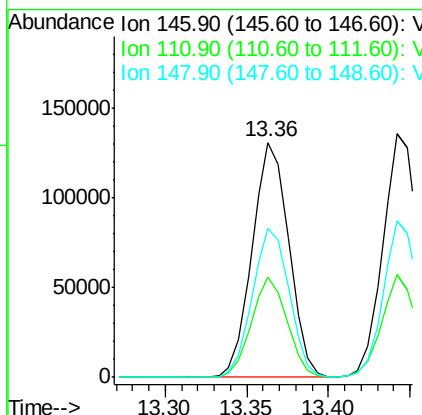
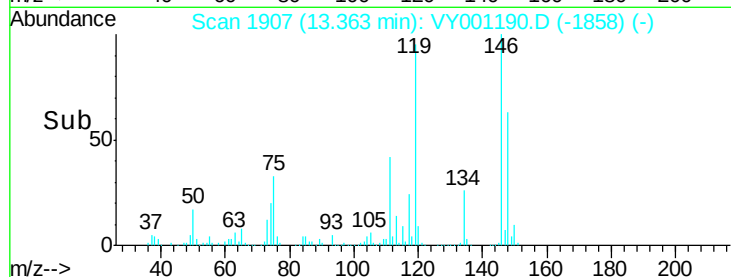
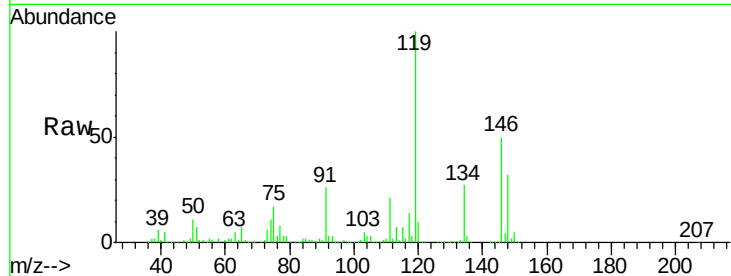
#87
 1,3-Dichlorobenzene
 Concen: 52.964 ug/l
 RT: 13.36 min Scan# 1907
 Delta R.T. -0.00 min
 Lab File: VY001190.D
 Acq: 14 Jan 2020 09:32

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.5	21.3	64.0
148	63.8	31.9	95.5

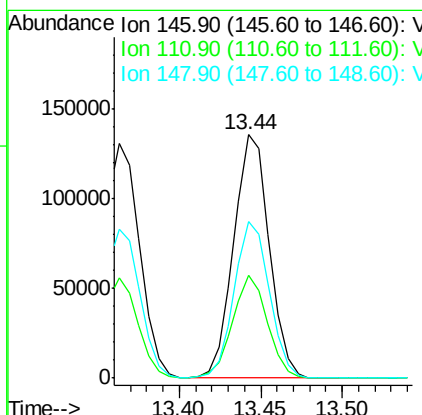
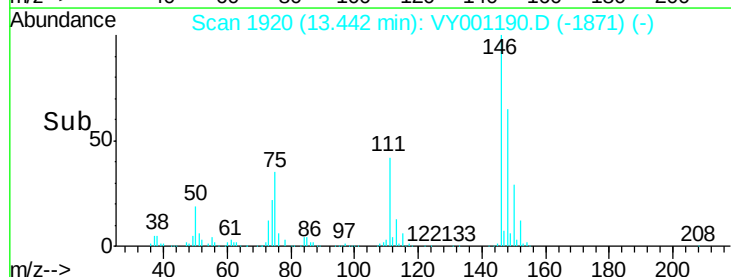
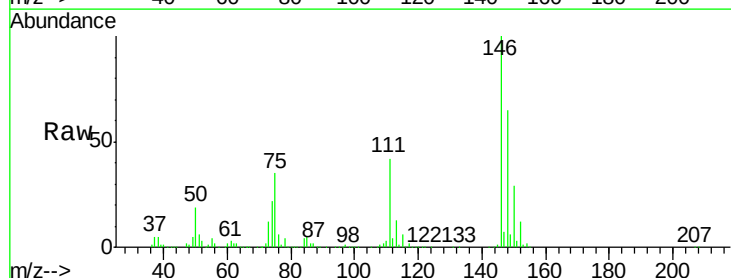
Manual Integrations
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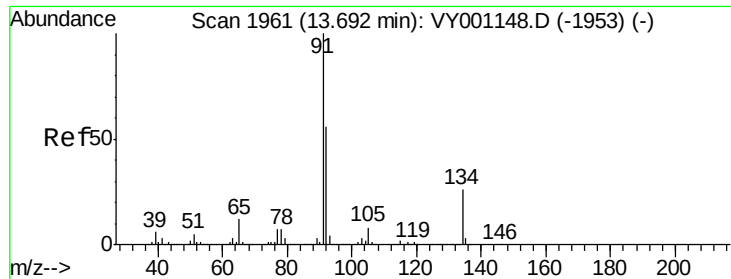
MMDadoda
 1/15/2020 9:30:16 AM



#88
 1,4-Dichlorobenzene
 Concen: 51.846 ug/l
 RT: 13.44 min Scan# 1920
 Delta R.T. -0.00 min
 Lab File: VY001190.D
 Acq: 14 Jan 2020 09:32

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.1	20.8	62.5
148	63.5	32.0	96.2





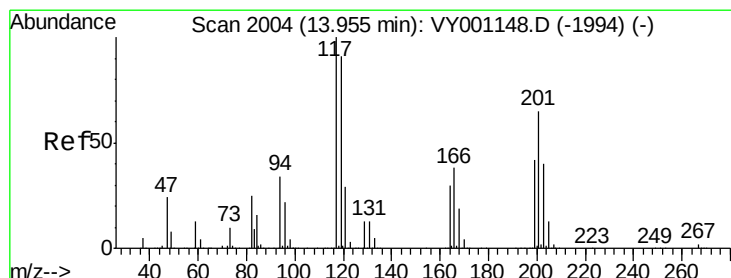
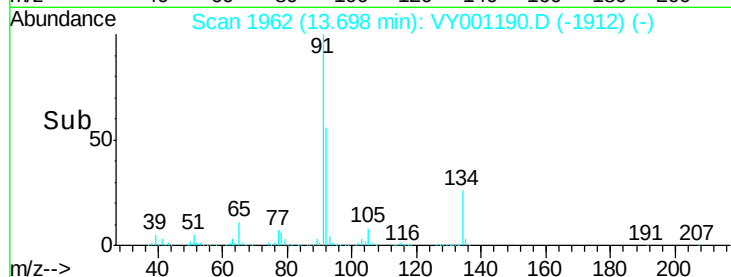
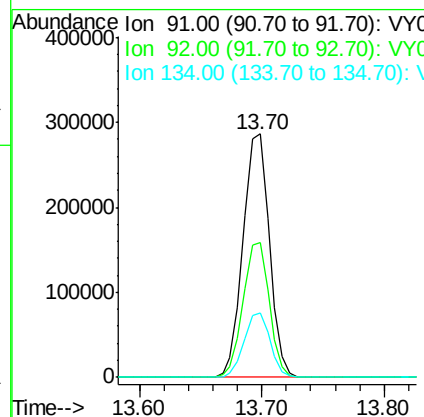
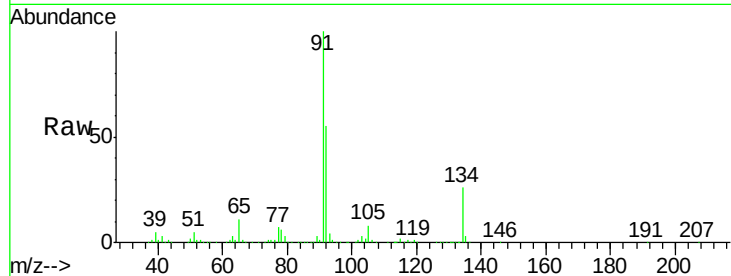
#89
n-Butylbenzene
Concen: 52.341 ug/l
RT: 13.70 min Scan# 1962
Delta R.T. 0.01 min
Lab File: VY001190.D
Acq: 14 Jan 2020 09:32

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	55.0	27.7	83.1
134	26.1	12.9	38.6

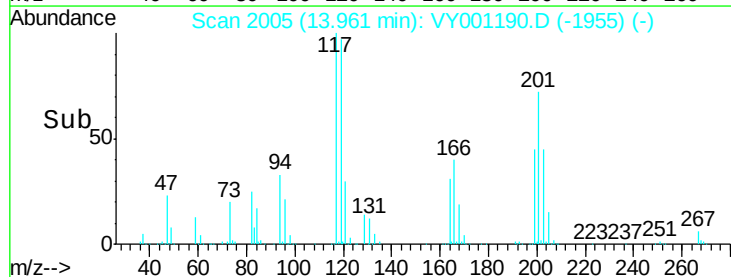
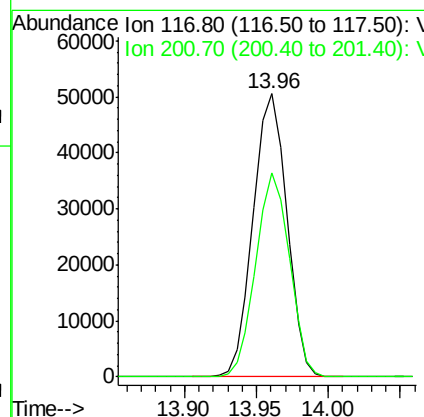
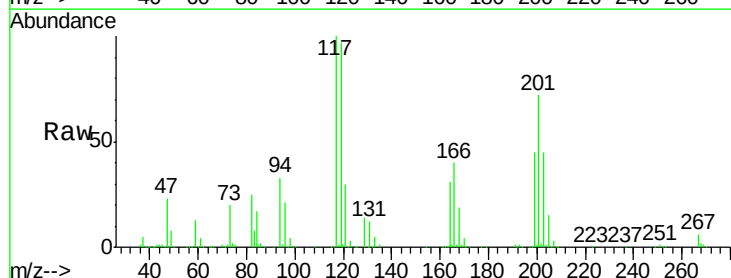
Manual Integrations
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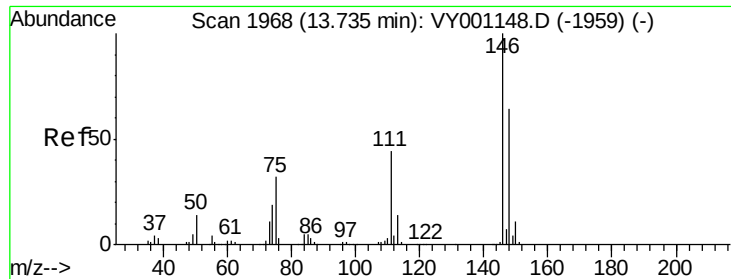
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#90
Hexachloroethane
Concen: 51.944 ug/l
RT: 13.96 min Scan# 2005
Delta R.T. 0.01 min
Lab File: VY001190.D
Acq: 14 Jan 2020 09:32

Tgt Ion	Ratio	Lower	Upper
117	100		
201	71.9	35.4	106.2





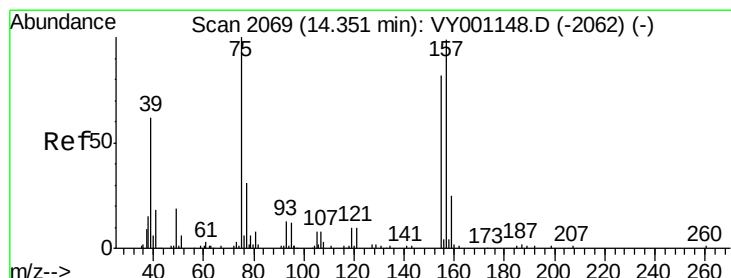
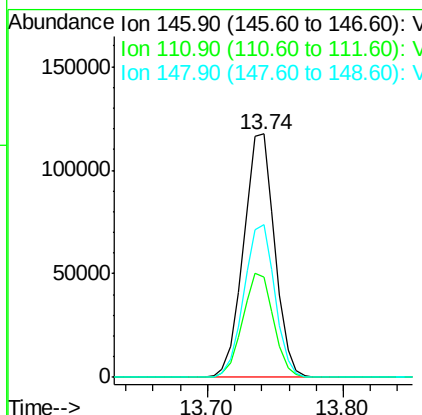
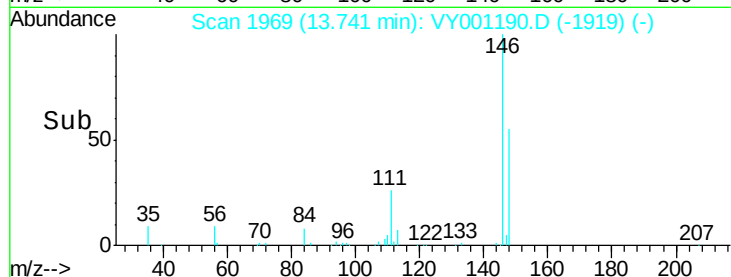
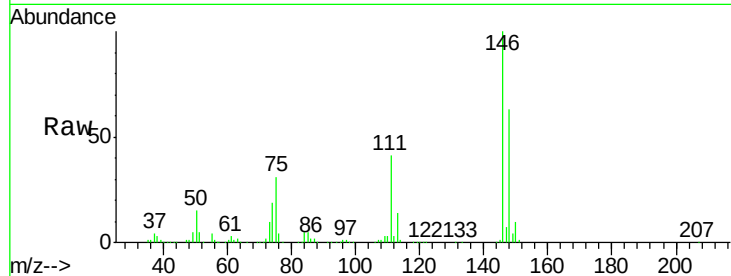
#91
 1,2-Dichlorobenzene
 Concen: 52.213 ug/l
 RT: 13.74 min Scan# 1969
 Delta R.T. 0.01 min
 Lab File: VY001190.D
 Acq: 14 Jan 2020 09:32

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.4	22.0	66.0
148	62.4	32.1	96.3

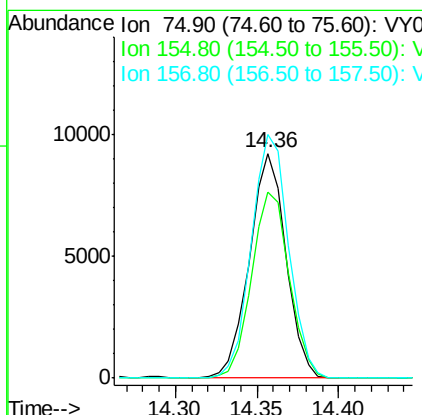
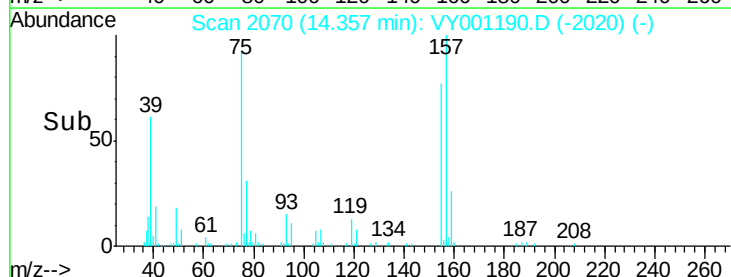
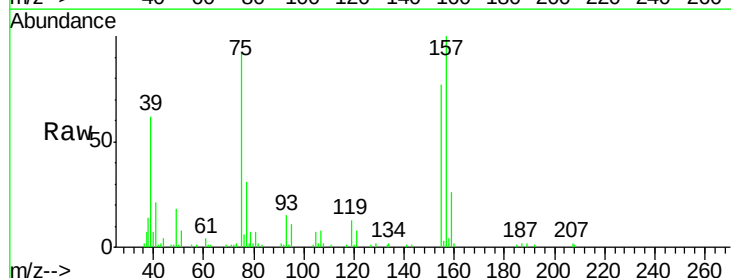
Manual Integrations
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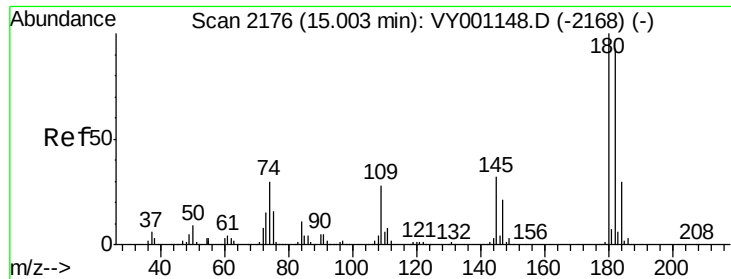
MMDadoda
 1/15/2020 9:30:16 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 40.939 ug/l
 RT: 14.36 min Scan# 2070
 Delta R.T. 0.01 min
 Lab File: VY001190.D
 Acq: 14 Jan 2020 09:32

Tgt Ion	Ratio	Lower	Upper
75	100		
155	85.1	41.2	123.6
157	110.2	52.8	158.4





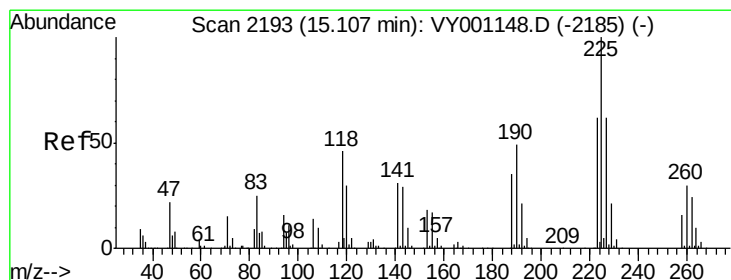
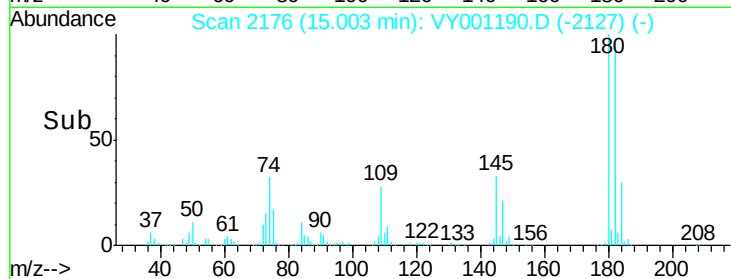
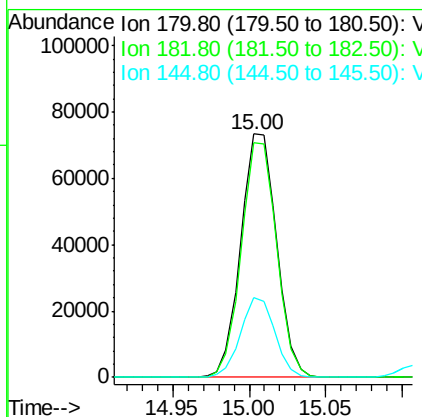
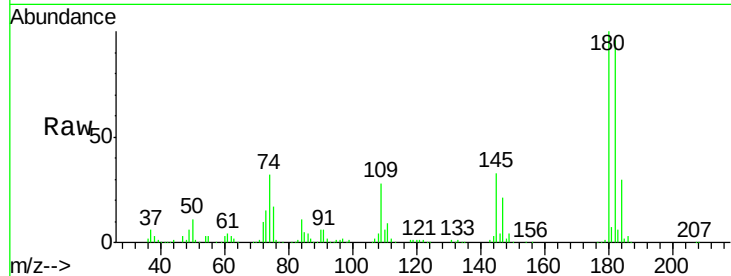
#93
 1,2,4-Trichlorobenzene
 Concen: 50.376 ug/l
 RT: 15.00 min Scan# 2176
 Delta R.T. -0.00 min
 Lab File: VY001190.D
 Acq: 14 Jan 2020 09:32

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.0	46.9	140.8
145	31.6	16.0	48.0

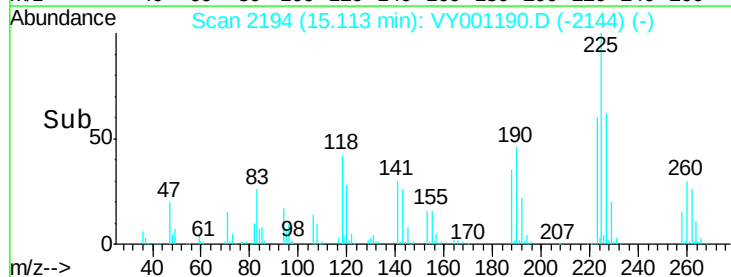
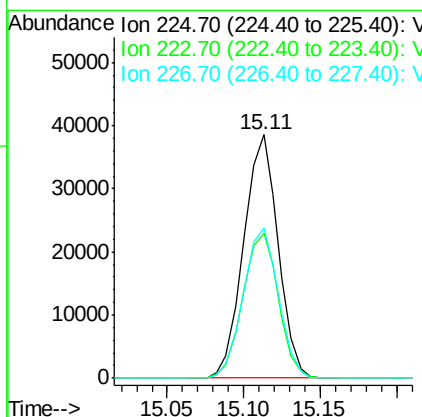
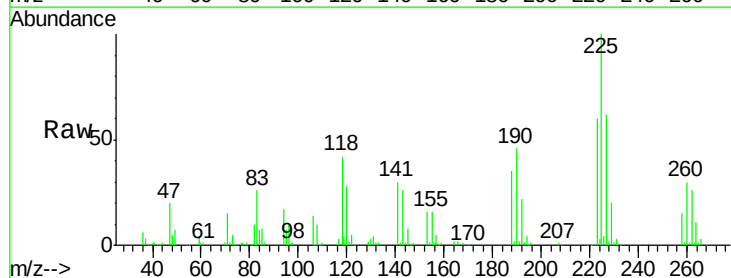
Manual Integrations
 APPROVED

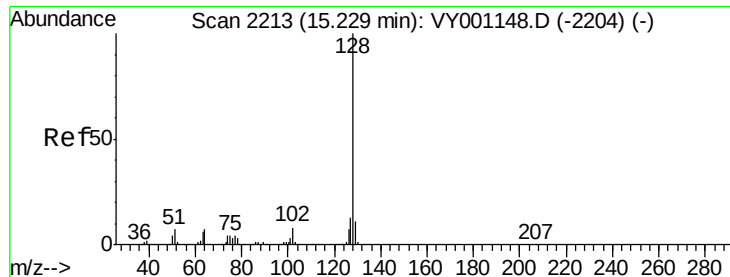
MMDadoda
 1/15/2020 9:30:16 AM



#94
 Hexachlorobutadiene
 Concen: 50.294 ug/l
 RT: 15.11 min Scan# 2194
 Delta R.T. 0.01 min
 Lab File: VY001190.D
 Acq: 14 Jan 2020 09:32

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.5	31.1	93.3
227	63.2	31.3	93.9





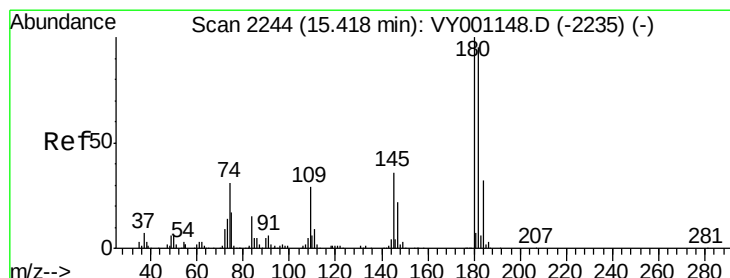
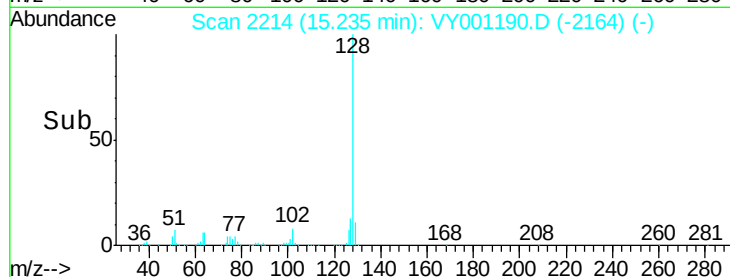
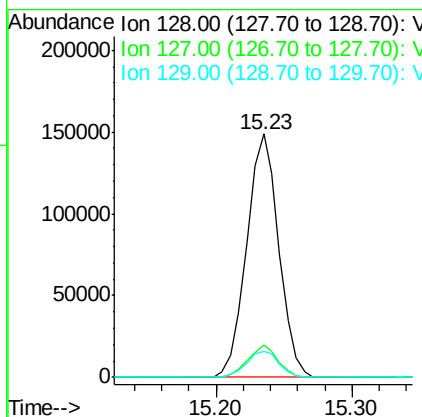
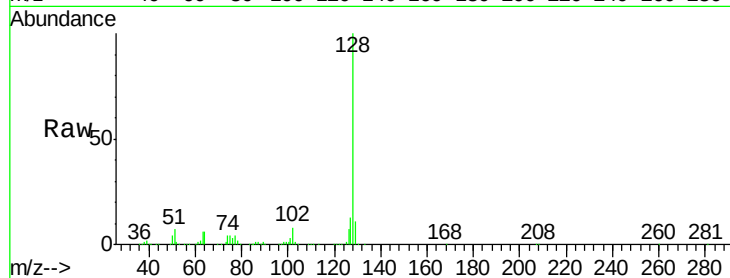
#95
Naphthalene
Concen: 44.402 ug/l
RT: 15.23 min Scan# 2214
Delta R.T. 0.01 min
Lab File: VY001190.D
Acq: 14 Jan 2020 09:32

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.5	10.2	15.4
129	10.9	8.5	12.7

Manual Integrations
APPROVED

MMDadoda
1/15/2020 9:30:16 AM



#96
1,2,3-Trichlorobenzene
Concen: 48.613 ug/l
RT: 15.42 min Scan# 2245
Delta R.T. 0.01 min
Lab File: VY001190.D
Acq: 14 Jan 2020 09:32

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.9	47.5	142.5
145	32.8	17.1	51.3

